

Dr. Asif Ansari

Assistant Professor, Department of Civil Engineering

Rajkiya Engineering College, Azamgarh

An AICTE approved Government Engineering college of Uttar Pradesh.



Email: asifiitd1@gmail.com; asif.ansari@zhcet.ac.in; asif@gecazamgarh.ac.in

Mobile: +91-8081267555

ORCID: <https://orcid.org/0000-0002-8171-7673>

Scopus Author ID: <https://www.scopus.com/authid/detail.uri?authorId=57299752800>

Web of Science Researcher Profile: <https://www.webofscience.com/wos/author/record/MBV-5111-2025>

Google Scholar: <https://scholar.google.com/citations?user=KyAXJNkAAAAJ&hl=en>

ResearchGate: <https://www.researchgate.net/profile/Asif-Ansari-19>

Academic Profile

Google Scholar Metrics (as of 08 September 2026): 141 citations | h-index: 7 | i10-index: 6

Assistant Professor of Civil Engineering with academic and research experience in Environmental Engineering, specializing in air pollution, water and wastewater treatment, and data-driven approaches using machine learning and deep learning. Research focuses on air quality monitoring and AQI analysis and prediction, bibliometric studies, water quality assessment, and wastewater treatment.

Teaching Experience

Sl. No.	Designation	Institute	Duration
1	Assistant Professor (AGP 6000 / 6 CPC / Level 10 / 7 CPC)	Department of Civil Engineering, Rajkiya Engineering College, Deogaon, Azamgarh, Uttar Pradesh, India	08/12/2017 – Present
2	Assistant Professor	Department of Civil Engineering, Vivekananda College of Technology and Management (VCTM), Aligarh, India	02/02/2016 – 30/04/2016

Education

Sl. No.	Type of Course / Examination	Name of Institution / Details	Percentage / CGPA
1	Doctor of Philosophy (PhD), 2025	Department of Civil Engineering, National Institute of Technology Patna (NIT Patna), Patna, Bihar, India Thesis: "Data-Driven Monitoring, Analysis and Predictive Modelling of Air Quality Index (AQI) Using Machine Learning and Deep Learning Techniques: A Case Study of Azamgarh, Uttar Pradesh, India" Supervisor: Prof. Abdur Rahman Quaff, Ph.D.	8.47
2	M.Tech. (Honors), 2015	Department of Civil Engineering, Zakir Hussain College of Engineering and Technology, Aligarh Muslim University (AMU), Uttar Pradesh, India Dissertation: "Treatment of slaughterhouse wastewater by Sequencing Batch Reactor (SBR)" Supervisor: Prof. Izharul Haq Farooqi, Ph.D.	CPI : 9.44 83 %
3	B.Tech. (Honors), 2013	Department of Civil Engineering, Zakir Hussain College of Engineering and Technology, Aligarh Muslim University (AMU), Uttar Pradesh, India Project: "Soil investigation and design of foundation of multi storeyed building." Supervisor: Prof. Mahboob Anwar Khan, Ph.D.	CPI : 8.57 75 %
4	Higher Secondary Examination (XII), 2009	Senior Secondary School (Boys), Aligarh Muslim University, Uttar Pradesh, India (PCMB)	75 %
5	Secondary Examination (X), 2007	Jawahar Navodaya Vidyalaya, Pratapgarh, Uttar Pradesh, India	90 %

Research Experience

Sl. No.	Position	Details	Duration
1	Research Scholar, IIT Delhi	Worked under the supervision of Dr. Gazala Habib. Experience in vehicle survey, data analysis and operation of source sampling instruments; understanding vehicular pollution and its effects on health and climate.	01/07/2016 – 07/12/2017

Administrative / Institutional Responsibilities

1. Dean, Infrastructure and Planning – July 2022 to April 2025.
2. Associate Dean Academics – 16 January 2021 to December 2021.
3. Co-PI, Unnat Bharat Abhiyaan – 29 September 2020 to Present.
4. Centre Controller in UPSEE-2019 and UPSEE-2020 offline Entrance Examination conducted by Dr. A.P.J. Abdul Kalam Technical University, Lucknow (U.P.).
5. Member-Secretary, Building Works Committee – 06 June 2020 to March 2021.
6. Member, Centre of Environmental Engineering and Climate Change – 06 June 2020 to Present.
7. Warden, Boys Hostel (3rd year), REC Azamgarh – 26 June 2019 to November 2020.
8. Assistant Centre Superintendent (ACS) for end-semester examination – 13 February 2019 to June 2019.
9. Institute-In-Charge, Civil Maintenance – 28 September 2018 to Present.
10. Assistant Nodal Officer (Scholarship), Rajkiya Engineering College, Azamgarh – 22 June 2018 to Present.

Departmental Responsibilities

1. Member, Project Planning Committee – January 2021.
2. Member, Departmental Purchase Committee – 29 October 2020.
3. Coordinator, industrial visit of 3rd year students to Goithaha STP, Varanasi, on 31 August 2019 under TEQIP-III.
4. Departmental GATE Coordinator – 28 June 2019 to December 2021.
5. Member, preparation of Eco-Enzyme, Civil Department, REC Azamgarh – 01 February 2019.
6. Officer-In-Charge, Environmental Engineering Laboratory – 07 September 2018 to Present.
7. External Practical Examiner in AKTU semester examinations.

Subjects Taught

Sl. No.	Name of Subject / Laboratory
1	Environmental Engineering
2	Fluid Mechanics
3	Environment & Ecology
4	Analysis & Design of Hydraulic Structures
5	Water Resources Engineering
6	Renewable Energy Resources
7	Energy Science and Engineering
8	Building Planning and Drawing Lab
9	Environmental Engineering Lab
10	Building Materials Lab
11	Quality Management

Area of Interest

Water and Wastewater Treatment; Air Pollution; Vehicular Pollution; Machine Learning; Deep Learning.

Software Skills

AutoCAD, Microsoft Office Package, Minitab, LaTeX, Python, MATLAB.

Laboratories / Centres Developed or Established

1. Environmental Engineering Laboratory, procured under TEQIP-III at REC Azamgarh.
2. Centre for Environment and Climate Change, procured under U.P. state fund at REC Azamgarh.

Awards and Achievements

1. GATE 2013, AIR: 2186
2. GATE 2014, AIR: 2720
3. GATE 2015, AIR: 6123

Fellowships and Scholarships

1. MHRD Research Scholar fellowship at IIT Delhi.
2. GATE fellowship during M.Tech. program.
3. Merit Cum-Means Scholarship during B.Tech. program.

Professional Membership

1. Student Membership, Civil Engineering Society, IIT Delhi – August 2016 to Present.

NITTT Courses Completed

Module	Module Name	Completion Year
Module 1	Orientation Towards Technical Education and Curriculum Aspects	February 2021
Module 2	Professional Ethics and Sustainability	February 2021
Module 3	Communication Skill, Modes and Knowledge Dissemination	February 2021
Module 4	Instructional Planning and Delivery	September 2021
Module 5	Technology Enabled Learning and Life-Long Self Learning	September 2021
Module 6	Student Assessment and Evaluation	September 2021
Module 7	Creative Problem Solving, Innovation and Meaningful R&D	September 2021
Module 8	Institutional Management and Administrative Procedures	September 2021

SWAYAM / NPTEL / ARPIT Courses

Sl. No.	Course / Programme	Duration
1	12-week NPTEL-AICTE course on "Air Pollution and Control", IIT Roorkee; equivalent to 1.5-week FDP	Jan–Apr 2024
2	AICTE–ISTE Sponsored Induction/Refresher Programme on "Sustainable Product Design and Manufacturing", Shri Mata Vaishno Devi University	18–24 Mar 2021
3	12-week TEQIP Certification course on "Municipal Solid Waste Management", IIT Guwahati; AICTE-approved FDP course equivalent to 1.5-week FDP	Sep–Dec 2020
4	16-week SWAYAM–ARPIT Course on "Climate Change: A Guide for Teachers of All Disciplines", IISER Pune, for Career Advancement Scheme (CAS) promotion	Dec 2020–Mar 2021
5	12-week TEQIP Certification course on "Water Supply Engineering", IIT Kharagpur; AICTE-approved FDP course equivalent to 1.5-week FDP	Jan–Apr 2020

FDP / STTP / Workshop Attended

1. Participated in One Week FDP on “Integrated Approaches in Structural and Environmental Engineering (IASEE-2026)”, HBTU Kanpur – 02–07 Feb 2026.
2. Participated in 5-Day Online FDP on “Smart Materials and Technologies for Durable Structures (SMTDS-2025)”, R.V.R. & J.C. College of Engineering, Guntur – 15–19 Sep 2025.
3. Participated in One-Week Online Short-Term Course on “Emerging Trends in Environmental Engineering for Sustainable Development (ETESD-2025)”, HBTU Kanpur – 20–24 Jan 2025.
4. Completed one-week online faculty training programme on “Research Methodology and IPR”, IIIT Ranchi – 09–13 Sep 2023.
5. Participated in Faculty Development Program on “Innovations in Mechanical Engineering and Technology”, REC Azamgarh – 02–06 Jan 2023.
6. Participated in Two-week faculty training programme on “Research Methodology and Authoring, Reviewing Manuscripts”, jointly organized by Electronics & ICT Academies MNIT Jaipur, NIT Patna, IIITDM Jabalpur & IIT Roorkee, supported by MeitY – 22 July–05 Aug 2022.
7. Participated in One-week Workshop on “Patent Filing”, Department of Electrical Engineering & Civil Engineering, NIT Srinagar – 20–24 June 2022.
8. Participated in One-Week Online FDP on “Application of AI in Water Resource Management (AAWRM-2022)”, REC Sonbhadra – 07–11 Mar 2022.
9. Participated in Online Workshop on “Computational Techniques in Mechanical Engineering (CTME)”, AMU, Aligarh – 11–15 Feb 2022.
10. Successfully completed AICTE-ATAL Academy Online Advanced FDP on “Applications of Remote Sensing and GIS”, Deenbandhu Chhotu Ram University of Science & Technology, Murthal – 10–14 Feb 2022.
11. Attended National Workshop on “Solid Waste Management”, DRIIV, Delhi S&T Cluster, IIT Delhi – 30–31 July 2021.
12. Participated in Short Course on “Frontiers in the Energy–Water Nexus”, TEQIP-III, IIT Gandhinagar – 25 Feb–03 Mar 2021.
13. Participated in One-Week FDP on “Recent Advances in Civil Engineering”, MMMUT Gorakhpur – 01–05 Mar 2021.
14. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on “Green Technology & Sustainability Engineering”, Motilal Nehru National Institute of Technology Allahabad – 11–15 Jan 2021.
15. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on “Environmental Geotechnology”, University Institute of Engineering and Technology – 04–08 Jan 2021.
16. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on “Waste Technology”, C V Raman Global University – 21–25 Dec 2020.
17. Successfully completed MHRD-sponsored TEQIP-assisted course on “Learning and Teaching through Interdisciplinary Research”, IIT Roorkee – 07–11 Dec 2020.
18. Attended National Awareness Workshop on “UGC-DAE CSR Facilities”, UGC-DAE Consortium for Scientific Research (CSR), Mumbai Centre, in collaboration with SWAYAM Cell, HNB Garhwal University – 09–12 Nov 2020.
19. Participated in E-Training/Short-Term Course on “Advancements in Civil Engineering (with emphasis on water resources, environmental engineering and climate change)”, TEQIP-III, IIT Indore – 02–07 Nov 2020.
20. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on “Data Sciences”, Ramakrishna Mission Vivekananda Educational and Research Institute – 20–24 Oct 2020.
21. Participated in Short-Term Course on “Recent Advances in Environmental Biotechnology”, jointly organized by IIT Kharagpur & NPIU, sponsored by TEQIP-III – 05–09 Oct 2020.
22. Successfully completed One-Week FDP on “QCAD and QGIS”, Department of Civil Engineering, Amrutvahini Polytechnic, Sangamner, in association with Spoken Tutorial, IIT Bombay – 16–20 June 2020.
23. Participated in One-Week Online FDP (TEQIP-III) on “Geo-Sciences in Engineering 2020 (GiE-20)”, Government College of Engineering, Karad and Walchand College of Engineering, Sangli – 09–13 June 2020.
24. Participated in One-Week Online FDP on “LaTeX”, Shri Vile Parle Kelavani Mandal’s Institute of Technology, Dhule, in association with Spoken Tutorial, IIT Bombay – 01–07 June 2020.
25. Participated in National Level One-Week Online FDP on “Moodle Learning Management System”, PICT Pune in association with Spoken Tutorial, IIT Bombay – 26–30 May 2020.
26. Participated in Five-Day FDP on “Advances in Civil Engineering”, Department of Civil Engineering, Nagpur Institute of Technology, Nagpur – 26–30 May 2020.
27. Attended one-week Online Faculty Development Program on “Outcome Based Education: A Step Towards Excellence”, sponsored by AICTE and organized by Government College of Engineering, Karad – 11–15 May 2020.

28. Attended One Week Online Faculty Development Program on “MATLAB Applications in Engineering and Science (MAES-2020)”, sponsored by TEQIP-III, Government College of Engineering, Karad – 27 Apr–01 May 2020.
29. Received certificate of appreciation for implementing innovative learning technology in Pedagogy at REC Azamgarh on Teachers’ Day – 05 Sep 2019.
30. Attended one-week FDP on “Recent Advancement in Mechanical Engineering”, sponsored by TEQIP-III, jointly organized by REC Azamgarh and Government College of Engineering, Karad – 19–23 Aug 2019.
31. Participated in one-week workshop on “Corporate Expectation and Academia”, sponsored by TEQIP-III, REC Azamgarh – 15–19 Sep 2018.
32. Participated in one-week Startup Summit–2018, sponsored by TEQIP-III, REC Azamgarh – 04–08 Sep 2018.
33. Attended one-week Summer Workshop sponsored by TEQIP-III on “Active Learning, Autonomy, Academic Governance and R&D”, IIT Roorkee – 18–22 June 2018.
34. Attended one-week Faculty Development Program on “Total Quality Management”, sponsored by TEQIP-III, Rajkiya Engineering College, Azamgarh – 04–08 June 2018.
35. Participated in TEQIP-III sponsored workshop on “Outcome Based Education (OBE)”, REC Azamgarh – 16–17 March 2018.
36. Participated in three-day Summer School on “Urban Air Pollution and Human Exposure Assessment”, jointly organized by IIT Delhi, IIT Madras and Newcastle University, UK, at IIT Delhi – 29–31 May 2017.

FDP / STTP / Workshop Organised

1. Served as Coordinator for the 5-day online training program on “Water Resources & Climate Change”, jointly organized by Rajkiya Engineering College, Azamgarh and the State Project Implementation Unit – Uttar Pradesh (SPIU-UP) under TEQIP-III – 17–21 Sep 2020.
2. Organised five-day Faculty Development Programme on “Application of Optimization Methods in Engineering”, sponsored by TEQIP-III, Department of Civil Engineering, REC Azamgarh – 05–09 Aug 2019.
3. Organised One-Week TEQIP-III Sponsored Short Term Course (STC) on “Sustainable Urban Transportation: An Indispensable Demand”, Department of Civil Engineering, REC Azamgarh – 18–22 Feb 2019.
4. Organised three-day Workshop on “Application of GIS, Remote Sensing & Total Station in Civil Engineering”, sponsored by TEQIP-III, Department of Civil Engineering, REC Azamgarh – 27–29 Sep 2018.

Industrial Training / Professional Training

1. Completed 2-week Industrial Training at SAI Constructive Solution, Lucknow (U.P.) – 17–31 July 2025.
2. Completed 2-week Industrial Training on “Automation” at National Small Industries Corporation (NSIC), Technical Services Centre, Faridabad (Haryana) – 13–27 Dec 2021.
3. Successfully completed self-paced professional training course “MATLAB Onramp” offered by MathWorks Training Services – 06 May 2020.
4. Attended 4-days Course on “Examination Reforms” conducted by AICTE – 29 Apr–02 May 2020.
5. Completed 2-week TEQIP Certification course on “Digital transformation in teaching learning process”, course offered by IIT Bombay – 16–30 Mar 2020.
6. Participated in one-week workshop on “Hands-on Training on ANSYS & MATLAB”, sponsored by TEQIP-III, organized by REC Azamgarh and Government College of Engineering, Karad – 17–21 Feb 2020.
7. Completed industrial attachment / field training in Soil Investigation Works at Cypher Infra Private Limited, Patna (Bihar) – 08–12 July 2019.

Conference Responsibilities

1. Served as Session Chair at the 1st International Conference on “Novel Sustainable Practices in Waste Mitigation and Its Innovative Utilisation (NSWIU-2023)”, organized by Department of Civil Engineering, Rajkiya Engineering College, Azamgarh – 03–04 Feb 2023.
2. Worked as Chairman for Technical Session in the Fourth International Conference on “Advances in Civil and Structural Engineering (ICACSE-2020)”, sponsored by TEQIP-III and organized by Civil Engineering Department, Government College of Engineering, Karad, Maharashtra – 28–30 May 2020.

Conference Presentations / Papers Presented

1. Presented research paper titled “Multi-Layer Perceptron (MLP) Neural Network Framework for Air Quality Index (AQI) Forecasting in Azamgarh, Uttar Pradesh: Model Optimization and Sensitivity Analysis” at the International Conference on Innovations and Sustainability in Civil Engineering (ISCESTI 2025), Department of Civil Engineering, NIT Patna, 14–16 May 2025 (Paper ID: 223).

Paper Published in Proceedings of International Conferences

1. **Asif Ansari**, Izharul Haq Farooqi, "Performance Evaluation of column type Sequencing Batch Reactor (SBR) for treatment of slaughterhouse wastewater", Proceedings of International Conference on "Sustainable Solutions in Industrial Pollution, Water and Waste Water Treatment", 10–11 November 2018, Department of Civil Engineering, AMU, Aligarh in collaboration with College of Engineering, University of Toledo, Ohio, USA, pp. 63–65. ISBN: 978-93-88237-19-2. Excel India Publishers. Sponsored by TEQIP-III, MHRD-New Delhi, SERB and DST-New Delhi.

Books Published

1. M. Kannan, M. Tamil Selvi, **Asif Ansari**, V. V. Kamesh, K. Bindu Kumar (2023). Advanced Materials and Technologies. Chennai: Cosmas Scientific Publications. ISBN: 978-81-963112-1-6. DOI: 10.5281/zenodo.7842888.

Publications (Journal)

Sl. No.	Title / Bibliographic Details	Indexing / Status	Impact Factor	Year
1	Saurabh Maurya, Pramod Soni, Ashwin Chitravanshi, Prabhankur Prabhankur, Asif Ansari , and Abdur Rahman Quaff (2026). "Comparative analysis of meteorological and air quality variables in urban and semi-urban environments: a case study of Varanasi and Azamgarh." Air Quality, Atmosphere and Health, 19, 57. DOI: 10.1007/s11869-026-01931-8	Springer; SCIE	2.9	2026
2	Asif Ansari and Abdur Rahman Quaff (2025). "Advanced machine learning techniques for precise hourly air quality index (AQI) prediction in Azamgarh, India." International Journal of Environmental Research, 19(1), 15. DOI: 10.1007/s41742-024-00684-5	Springer; SCIE	3.5	2025
3	Asif Ansari and Abdur Rahman Quaff (2025). "Data-driven analysis and predictive modelling of hourly Air Quality Index (AQI) using deep learning techniques: a case study of Azamgarh, India." Theoretical and Applied Climatology, 156(1), 74. DOI: 10.1007/s00704-024-05304-y	Springer; SCIE	2.7	2025
4	Asif Ansari and Abdur Rahman Quaff (2025) "Comparative benchmarking of eleven machine learning regressors for daily air quality index (AQI) forecasting: Sensitivity analysis and SHapley Additive exPlanations (SHAP)-Based interpretability framework." Theoretical and Applied Climatology, 156, 620. DOI: 10.1007/s00704-025-05832-1	Springer; SCIE	2.7	2025
5	Asif Ansari and Abdur Rahman Quaff (2024). "Bibliometric Analysis on Global Research Trends in Air Pollution Prediction Research Using Machine Learning from 1991–2023 Using Scopus Database." Aerosol Science and Engineering, 1–19. DOI: 10.1007/s41810-024-00221-z	Springer; Scopus	2.0	2024
6	Asif Ansari and Abdur Rahman Quaff (2024). "Bibliometric analysis of Indian research trends in air quality forecasting research using machine learning from 2007–2023 using Scopus database." Environmental Research and Technology, 7(3), 356–377. DOI: 10.35208/ert.1434390	Open Access; Scopus		2024
7	Asif Ansari (2023). "Evaluation of heavy metal pollution index considering health risk in complete stretch of Ganga River." Innovative Infrastructure Solutions, 8(3), 98. DOI: 10.1007/s41062-023-01068-y	Springer; Scopus	2.4	2023
8	Asif Ansari and Anish Kumar (2022). "Water quality assessment of Ganga River along its course in India." Innovative Infrastructure Solutions, 7, 1–9. DOI: 10.1007/s41062-021-00668-w	Springer; Scopus	2.4	2022
9	Asif Ansari (2022). "Assessment of laboratory scale cylindrical sequencing batch reactor for the treatment of abattoir effluent." Innovative Infrastructure Solutions, 7(1), 100. DOI: 10.1007/s41062-021-00702-x	Springer; Scopus	2.4	2022

Journal Reviewer

1. Environmental Monitoring and Assessment (Springer).
2. Innovative Infrastructure Solutions (IIS) (Springer).
3. International Journal of Environmental Science and Technology (Springer).
4. Discover-Cement and Concrete (Springer).

References

Sl. No.	Reference	Designation / Affiliation	E-mail
1	Prof. Izharul Haq Farooqi	Professor, Department of Civil Engineering, Aligarh Muslim University, Aligarh, India.	farooqi_izhar@yahoo.com
2	Prof. Abdur Rahman Quaff	Professor, Department of Civil Engineering, National Institute of Technology Patna (NIT Patna), Patna, Bihar, India.	arquaff@nitp.ac.in
3	Prof. Mohd Yusuf Ansari	Professor, Department of Petroleum Studies, Aligarh Muslim University, Aligarh, India.	yusuf.petro@gmail.com

Residential Address

Mandhata Bazar, P.O. Mandhata, District Pratapgarh, Uttar Pradesh, India – 230402.

Declaration

I hereby confirm that all the information provided above is correct to the best of my knowledge and I am fully responsible for all the details provided above.

(Dr. Asif Ansari)