Department of Computer Science and Information Technology
School of Technology
Maulana Azad National Urdu University (Central University)
Gachibowli, Hyderabad, Telangana - 500032, India
① +91-9818572818
✉ naiyar.iqbal@manuu.edu.in | naiyariqbal.in@gmail.com

DR. NAIYAR IQBAL | Assistant Professor

CURRENT INVOLVEMENT	Currently working as Assistant Professor (Contractual) at Department of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University (Central University), Hyderabad, Telangana, India. (*January 2023 – Present*)

PREVIOUS EXPERIENCE

- **IT FACULTY**
  April 2012 - June 2015
  VAG Management Services - Sikkim Manipal University (A unit of VAG Group of Educational Institutes), South Ext-I, New Delhi, India
- **IT FACULTY**
  August 2011 - March 2012
  VAG Infotech - Jamia Hamdard (A unit of VAG Group of Educational Institutes), South Ext-I, New Delhi, India

TEACHING PRACTICE DURING PH.D.

- **TEACHING ASSISTANT**
  August 2017 - May 2019
  Maulana Azad National Urdu University (Central University), Hyderabad, Telangana, India

PROFESSIONAL & ACADEMIC QUALIFICATIONS

- **DOCTOR OF PHILOSOPHY (Ph.D.) in Computer Science**
  July 2017 – November 2022
  Department of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University (Central University), Hyderabad, Telangana, India
  Thesis: "*Feature Selection and Disease Prediction using Soft Computing Techniques*"
- **MASTER OF TECHNOLOGY (M.Tech.) in Computer Science**
  August 2015 - June 2017
  Department of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University (Central University), Hyderabad, Telangana, India
  Dissertation: "*Machine Learning for Dengue Outbreak Prediction*"
- **MASTER OF COMPUTER APPLICATIONS (MCA)**
  August 2009 - June 2011
  Indira Gandhi National Open University (Central University), New Delhi, India
- **BACHELOR OF COMPUTER APPLICATIONS (BCA)**
  August 2006 - June 2009
  Indira Gandhi National Open University (Central University), New Delhi, India
- **DIPLOMA IN URDU LANGUAGE (DUL)**
  August 2006 - June 2007
  Centre: Jamiat Institute of Information Technology
  National Council for Promotion of Urdu Language (NCPUL), New Delhi, India
- **DIPLOMA IN COMPUTER APPLICATIONS (DCA)**
  August 2006 - June 2007
  Centre: Jamiat Institute of Information Technology
  National Council for Promotion of Urdu Language (NCPUL) & DOEACC, New Delhi, India

COMPITITIVE EXAMINATIONS	▪ Qualified **UGC-NET** in **Computer Science and Applications** for Assistant Professor awarded by University Grants Commission, Government of India held in June 2023.

COMPITITIVE EXAMINATIONS

- Qualified **UGC-NET** in **Computer Science and Applications** for Assistant Professor awarded by University Grants Commission, Government of India held in June 2023.
- Qualified **TS-SET** in **Computer Science and Applications** for Assistant Professor awarded by the Government of Telangana conducted by National Testing Agency held in October 2023.
- Qualified **Secondary Teacher Eligibility Test** (**STET-2019**) in Computer Science subject conducted by Bihar School Examination Board (BSEB) Patna held on 21st September 2020.
- Qualified **Certificate of Merit** of **National Talent Scholarship Examination**, awarded by Human Welfare Trust of India, sponsored by International Student Excellence Fund held in 1997.

MOOC PROGRAMS CERTIFICATION

- **Bioinformatics: Algorithms and Applications**
  January - April 2022
  Centre: Indian Institute of Technology (IIT), Madras
  Institution: National Program on Technology Enhanced Learning (NPTEL), SWAYAM, Ministry of Education, Govt. of India.
- **Data Analytics with Python**
  January - April 2022
  Centre: Indian Institute of Technology (IIT), Roorkee
  Institution: National Program on Technology Enhanced Learning (NPTEL), SWAYAM, Ministry of Education, Govt. of India.

SOFTWARE TRAINING

- **Diploma in Java Programming**
  March - August 2010
  Centre: Bytes Softech Pvt. Ltd., New Delhi
  Institution: Advanced Computing Training School (ACTS), The National Resource Centre of C-DAC (Centre for Development of Advanced Computing) Pune, India

TEACHING PROFICIENCY

THOERITICAL	PRACTICAL
Fundamentals of Computer	Programming using C
Operating System	Object-oriented Programming using C++
Digital Logic	Data Structure using C
Computer Organization & Architecture	Core Java
Analysis & Design of Algorithm	Hypertext Markup Language (HTML)
Object Oriented Programming	MATLAB, WEKA, KNIME
Software Engineering	Microsoft Office Applications
Computer Networks	Structured Query Language (SQL)
Theory of Computation	Unix, Linux Lab
Compiler Design	Compiler Design Lab
Machine Learning	Python Programming
Data Science	R Programming
Fundamentals of Bioinformatics	iDEP, Galaxy, BioPython

RESEARCH INTEREST

- Bioinformatics, Data Science, Data Mining, Soft Computing, Machine Learning

RESEARCH METRICS

Number of Citation	h-index (as on 24.02.2025)	Citation	h-index
Google Scholar	252	8
Scopus	106	6
Web of Science	36	2
ResearchGate	225	8
Semantic Scholar	129	7

PUBLICATIONS *Number of Publications*
(Out of 19: Scopus-**12** | Web of Science SCIE-**2** | ESCI-**2** | CPCI- **3** | PubMed-**1** | UGC-CARE-**12)**

International Journal	**09**
National Journal	--
International Conference Proceeding	**04**
National Conference Proceeding	--
Book Chapter	**06**
Book	--

PUBLICATIONS (INTERNATIONAL JOURNAL)

[1] **Iqbal, N.**, & Kumar, P. (2023). **Recent developments in soft computing based feature selection and disease classification**. *Suranaree Journal of Science and Technology*, 30(2). (e-ISSN: 0858-849X) (Web of Science- ESCI, Scopus, UGC-CARE) [Source][PDF]

[2] **Iqbal, N.**, & Kumar, P. (2022). **Integrated COVID-19 predictor: Differential expression analysis to reveal potential biomarkers and prediction of coronavirus using RNA-Seq profile data**. *Computers in Biology and Medicine*, Vol. 147, 105684. https://doi.org/10.1016/j.compbiomed.2022.105684 PMid:35687925 PMCid:PMC9162937 (e-ISSN: 0010-4825) (Web of Science- SCIE, Scopus, PubMed, UGC-CARE) [Elsevier] **(IF 6.698, Q1)**

[3] Yang, X., Alam, A., **Iqbal, N.**, & Raza, K. (2021). **Repurposing of FDA-Approved Drugs to Predict New Inhibitor Against Key Regulatory Genes in Mycobacterium Tuberculosis**. *Biocell*, 45(6): 1569-1583. https://doi.org/10.32604/biocell.2021.017019 (e-ISSN: 1667-5746) (Web of Science-SCIE, Scopus, UGC-CARE) [Source][PDF] **(IF 1.254, Q4)**

[4] **Iqbal, N.**, & Islam, M. (2019). **Machine Learning for Dengue Outbreak Prediction: A Comprehensive Evaluation of Different Prominent Classifiers.** *Informatica*, 43(3), 363-371. https://doi.org/10.31449/inf.v43i3.1548 (e-ISSN: 0350-5596) (Web of Science- ESCI, Scopus, ACM-Digital Library, UGC-CARE) [Source][PDF]

[5] **Iqbal, N.**, & Kumar, P. (2019). **I-NFG: An integrated neuro-fuzzy-genetic based soft computing techniques for feature selection and disease prediction using gene expression**. *Journal of Applied Computing*, 4(1): 1-8. (e-ISSN: 2456-5059) [Source][PDF]

[6] Farooqi, M. R., & **Iqbal, N.** (2019). **Performance evaluation for competency of bank telemarketing prediction using data mining techniques.** *International Journal of Recent Technology and Engineering*, 8(2), 5666-5674. https://doi.org/10.35940/ijrte.A1269.078219 ISSN: 2277-3878 (Scopus, UGC-CARE) [Source]

[7] Farooqi, M. R., & **Iqbal, N.** (2017). **Effectiveness of data mining in banking industry: An empirical study.** *International Journal of Advanced Research in Computer Science*, 8(5), 827-830. ISSN: 0976-5697 (ICI-UGC 2016) [Source][PDF]

[8] **Iqbal, N.**, & Islam, M. (2017). **Machine learning for dengue outbreak prediction: An outlook.** *International Journal of Advanced Research in Computer Science*, 8(1), 93-102. ISSN: 0976-5697 (ICI-UGC 2016) [Source][PDF]

[9] **Iqbal, N.**, & Islam, M. (2016). **From Big Data to Big Hope: An outlook on recent trends and challenges.** *Journal of Applied Computing*, 1(1), 14-24. ISSN: 2456-5059 [Source][PDF]

PUBLICATIONS (INTERNATIONAL CONFERENCE PROCEEDING)

[1] **Iqbal, N.**, & Bhardwaj, A. (2024 February). **Decoding SARS-CoV-2 Variants: An in-silico approach to RNA-Seq feature extraction using K-mers and N-grams**. *In* 2024 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS) (pp. 1-10). https://doi.org/10.1109/SCEECS61402.2024.10481950 (Web of Science- CPCI, Scopus)

[2] **Iqbal, N.**, & Kumar, P. (2023). **From Data Science to Bioscience: Emerging era of bioinformatics applications, tools and challenges**. *Procedia Computer Science*, 218, 1509-1521. https://doi.org/10.1016/j.procs.2023.01.130 Elsevier. (Web of Science- CPCI, Scopus)

[3] **Iqbal, N.**, & Kumar, P. (2021). **Coronavirus Disease Predictor: An RNA-Seq based pipeline for dimension reduction and prediction of COVID-19**. In *Journal of Physics: Conference Series*, (Vol. 2089, p. 12025). IOP Publishing. https://doi:10.1088/1742-6596/2089/1/012025. (Scopus) [Source]

[4] **Iqbal, N.,** & Kumar, P. (2020). **A Framework for the RNA-Seq Based Classification and Prediction of Disease.** In: Kumar A., Paprzycki M., Gunjan V. (eds) ICDSMLA 2019. *Lecture Notes in Electrical Engineering*, Vol 601. Springer, Singapore. https://doi.org/10.1007/978-981-15-1420-3_8 (ISBN: 978-981-15-1419-7, e-ISBN: 978-981-15-1420-3) (Scopus) [Source]

PUBLICATIONS (BOOK CHAPTER)

[1] Qazi, W., Qazi, S., **Iqbal, N.**, & Raza, K. (2023). **The Scope and Applications of Nature-Inspired Computing in Bioinformatics**. In Nature-Inspired Intelligent Computing Techniques in Bioinformatics (pp. 3-18). Springer, Singapore. https://doi.org/10.1007/978-981-19-6379-7_1 (e-ISBN: 978-981-19-6379-7) (Scopus)

[2] Qazi S., **Iqbal N.**, Raza K. (2022). **Fuzzy Logic-Based Hybrid Models for Clinical Decision Support Systems in Cancer**. In: Raza K. (eds) Computational Intelligence in Oncology. Studies in Computational Intelligence, vol 1016. Springer, Singapore. https://doi.org/10.1007/978-981-16-9221-5_12 (e-ISBN: 978-981-16-9221-5) (Scopus)

[3] Farooqi, M.R., Tiwari, A., Siddiqui, S., Kumar, N. & **Iqbal, N.** (2021). **Big Data Analytics for Market Intelligence**. Big Data Analytics, Taylor & Francis Group, 5: 18. https://doi.org/10.1201/9781003175711-5 (e-ISBN: 9781003175711)

[4] Qazi, S., **Iqbal, N.** & Raza, K. (2021). **Artificial intelligence in medicine (AIM): machine learning in cancer diagnosis, prognosis and therapy**. In D. Gupta, U. Kose, B. Le Nguyen, S. Bhattacharyya & B. Nguyen (Ed.), *Artificial Intelligence for Data-Driven Medical Diagnosis* (pp. 103-126). Berlin, Boston: De Gruyter. https://doi.org/10.1515/9783110668322-005

[5] Alam, A., Qazi, S., **Iqbal, N.**, & Raza, K. (2020). **Fog, Edge and Pervasive Computing in Intelligent Internet of Things Driven Applications in Healthcare: Challenges, Limitations and Future Use.** Fog, Edge, and Pervasive Computing in Intelligent IoT Driven Applications, John Wiley & Sons, 1: 1-26. https://doi.org/10.1002/9781119670087.ch1 (e-ISBN: 9781119670087)

[6] Farooqi, M. R., **Iqbal, N.**, Singh, N. K., Affan, M., & Raza, K. (2019). **Wireless Sensor Networks towards convenient infrastructure in Health care industry: A systematic study.** *Sensors for Health Monitoring*, Elsevier, 5: 31-46. https://doi.org/10.1016/B978-0-12-819361-7.00002-6 (ISBN: 978-0-12-819361-7) [Source] (Scopus)

MEETINGS ATTENDED	Number of Conferences | Workshops | FDP | Seminars | Webinar Series | Webinar	
	International Conference	**06**
	National Conference	**01**
	Workshop	**09**
	Symposium	**--**
	Seminar	**--**
	Faculty Development Program	**10**
	Orientation Program	**01**
	Webinar Series	**14**
	Webinar	**25**

PROFESSIONAL ACTIVITIES	
	▪ Reviewer of **Informatics in Medicine Unlocked, Elsevier**
	▪ Reviewer of **Informatica - An international Journal of Computing and Informatics (Slovenian Society Informatika)**
	▪ Reviewer of **Scientific Reports, Springer Nature**
	▪ Reviewer of 8th International Conference on Research in Intelligent Computing in Engineering (**RICE 2023**)
	▪ International Conference on Computational Methods, Data Science & Networking (**ICCMDN 2025**)

TECHNICAL SKILLS	Proficiency on Software	
	Operating Systems	Linux, MS-DOS, Windows XP/2007/2008/2010
	Web Designing Tools	HTML, DHTML, Java Script

Web Development Tools	PHP
Web Servers/Containers	WAMP Server
Databases	MS-Access, MySQL, Oracle
Programming Languages	C with DS, C++, Java, VB 6.0
Computer Applications	MS-Office XP/2007/2010/2016, PageMaker 7, MS-Visio 2007
R&D Simulators	WEKA 3.8, KNIME, MATLAB R2013a, Python, R
Bioinformatics Toolkits	Galaxy, iDEP.95, NCBI

ACADEMIC ACHIVEMENTS

- **Academic Excellence Award** for **M.Tech. (Computer Science)** 2015-16 session from Department of Computer Science and Information Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India.
- **Gold Medalist** (**First Rank**) of **M.Tech. (Computer Science)** 2015-17 session from Department of Computer Science and Information Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India.

FELLOWSHIP AWARD

- **Junior Research Fellowship (JRF)** & **Senior Research Fellowship (SRF)** awardee under the scheme of NFOBC awarded by University Grant Commission, Government of India in 2018-22.

SUPERVISION

Number of B.Tech. | M.Tech. | MCA | Ph.D.

B.Tech.	**31**
M.Tech.	**02**
MCA	**--**
Ph.D.	**--**

B.Tech. (Computer Science) Supervision:

1. **Connection Chat**, by Atiya Aslam, Mohd. Waqar Hashmi & Md. Zahirul Haque
2. **Bike Rental System**, by Md. Ehtesham, Md. Quiasim & Obaidullah Omar
3. **Blood Donation Management System**, by Atiya Aslam, Mohd. Waqar Hashmi & Md. Zahirul Haque
4. **Online Charity**, by Md. Ehtesham, Md. Quiasim & Obaidullah Omar
5. **Multi-Stage Diabetes Disease Prediction using Machine Learning**, by Zamin Zehra & Adeela Shahid
6. **Organizational Secure Web Ballot**, by Ali Abu Bakr & Md. Shakir Hussain
7. **Research Advisory Committee (RAC) Management System**, by Mohd. Shahid & Mohd. Saqib
8. **GUI based Department and Attendance Assistant Web Application**, by Mohammad Arfeen
9. **Thyroid Disorder Prediction Tool**, by Sadiya Parween, Reshma Shaheen & Athar Ali
10. **Real Estate Marketplace Application**, by Shagufta Naz, Salma Khatoon & Sufiya Parween
11. **Integrated Research Advisory Committee (iRAC) Management System**, by Ayyan Eqbal, Neda Perween & Mohammad Anwar
12. **Online Electronic Gadget Rental Management System**, by Gulshan Parween, Mubashshrin Karimi & Shabba Kausar

M.Tech. (Computer Science) Supervision:

1. **Predictive Modeling for Thyroid Disease Diagnosis using Machine Learning**, by Tahreem Tarique
2. **Fruit Quality Detection using Deep Learning Techniques,** by Amreen Jahan

RESOURCE PERSON

- Delivered a lecture in Student Induction Program (SIP) under **Alumni Interaction** program at the Department of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India on 18th November 2022.

ACADEMIC ACTIVITIES	**Faculty Coordinator** in **Poster Presentation** event of **Tech-Turing 2K19** fest, organized by School of Computer Science and Information Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India held on 14th February 2019. **Co-opted Member** of **NAAC** committee for the preparation of Research Innovation and Extension at Maulana Azad National Urdu University, Hyderabad, Telangana, India in 2020-21. **Technical Coordinator** in the Two-Day **National Conference on Computational Methods, Data Science and Applications (NC-CMDSA 2021)** organized by Department of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India held on 24-25th May 2021. **Session Coordinator** in one-week FDP Webinar Series on **Data Science** organized by School of Computer Science and Information Technology, Maulana Azad National Urdu University, Hyderabad sponsored by All India Council for Technical Education-Training and Learning (AICTE-ATAL) Academy India held 22-26th November 2021. **Technical Coordinator** in one-week FDP Webinar Series on **Data Science** organized by School of Computer Science and Information Technology, Maulana Azad National Urdu University, Hyderabad sponsored by All India Council for Technical Education-Training and Learning (AICTE-ATAL) Academy India held 22-26th November 2021. **Counting Officer** in the 9th **MANUU Student Union (MSU) Election**, organized by Maulana Azad National Urdu University, Hyderabad, Telangana, India held on 12th January 2023. - Member of **IQAC & NAAC committee, Alumni Cell, Attendance Committee, Library Committee, Magazine/Newsletter/Publication Committee, Website Data Management Committee and NIRF Committee** in the Department of Computer Science and Information Technology, Maulana Azad National Urdu University, Hyderabad w.e.f. academic year 2022-23. **Organizing Member** of One day Academic Awareness Workshop on the e-Governance Standards and Guidelines conducted at Maulana Azad National Urdu University, Hyderabad held on 13th October 2023. **Counting Officer** in the 10th **MANUU Student Union (MSU) Election**, organized by Maulana Azad National Urdu University, Hyderabad, Telangana, India held on 02nd November 2023. - Member of **Organizing Committee** of 8th International Conference on Research in Intelligent Computing in Engineering (**RICE 2023**) organized by Department of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India jointly co-organized by Universidad Don Bosco, El Salvador, Central America held on 01-02 December 2023. - Member of **Organizing Committee** of International Conference on Computational Methods, Data Science & Networking (**ICCMDN 2025**) organized by Department of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University, Hyderabad, Telangana, India held on 16-17 January 2025.

PERSONAL DETAILS		
Father's Name	:	Mahmood Alam
Date of Birth	:	16th February 1987
Gender	:	Male
Marital Status	:	Married
Nationality	:	Indian
Language Proficiency	:	English, Hindi, Urdu

Date: *February 24, 2025*

Place: *Hyderabad*

Dr. Naiyar Iqbal