



Department of Computer Science and Information Technology
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DR MUQEEM AHMED | ASSISTANT PROFESSOR

CURRENT INVOLVEMENT	Currently working as an Assistant Professor in Department of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University (Central University), Hyderabad, Telangana, India.
RESEARCH AREA	Semantic Web , Machine learning ,Big data Analytics , DBMS
VISITING FACTULY	More than 18 years of teaching experience in reputed Departments of universities in different academic capacities.
EDUCATIONAL QUALIFICATION	<ul style="list-style-type: none">▪ DOCTOR OF PHYLOSOPHY (Ph.D.), 2014 Department of Computer Science Jamia Millia Islamia New Delhi▪ MASTER DEGREE, 2006 Department of Computer Science Jamia Millia Islamia New Delhi
TEACHING PROFICIENCY	<ul style="list-style-type: none">▪ DBMS, Distributed Database, Operating System, Data Science , Big Data Analytics
PATENTS	<ol style="list-style-type: none">1. Advanced Threat Monitoring System using big data and deep learning for intrusion detection Muqem Ahmed, Afrah Fathimah, Amir khan ,Mohd Faizaanuddin Application Number :202441060273A Published On: 16-08-2024 Patent no:3320242 SMART USB MODEM AND STORAGE DEVICE WITH REAL TIME DISPLAY Dr. Muqem Ahmed . Dr. Syed Imtiyaz Hassan ,Dr. G. Shree Devi , Mr. Mohammad Islam,Ms.T.Arundhathi ,Ms. Geeta Pattun ,.Ms. Afrah Fathima Application Number : 458532-001 Awarded On 11-08-2025, Patent no:332024
RESEARCH PROJECTS	Number of UCG DST CSIR MANUU <ol style="list-style-type: none">1. Title: Semantic Based Intelligent Information Retrieval through data mining and ontology Agency: Maulana Azad National Urdu University Grant Approved: INR 105000 Duration: One Year

	<p>Role: Chief Investigator Status: Completed</p> <p>2. Title: Design Ontology based knowledge Management System for Organic Farming Agency: Maulana Azad National Urdu University Grant Approved: INR 85000 Duration: One Year Role: Chief Investigator Status: Completed</p>
ACHIVEMENTS	<ul style="list-style-type: none"> Delivered Invited Lecture "Numerical Optimization Methods" — Topic: "The Role of Big Data in Economic Decision Making", organized jointly by Mahatma Jyotiba Phule Rohilkhand University, Bareilly, UP, India, Sumy State University, Ukraine 2025 Delivered lecture on Hypothesis Testing T Test, Z Test in One Week Workshop on statistical Skill Development Organized by the Department of Economics Maulana Azad National Urdu University Hyderabad India 03.03.2025 Delivered Invited Lecture "Numerical Optimization Methods" — Topic: "The role of data science in Economics", organized jointly by Yobe State University, Damaturu Nigeria, Sumy State University, Ukraine 2023, Delivered lecture on Inferential Statistics – Student T Test in One Week Workshop on statistical Skill Development Organized by the Department of Economics Maulana Azad National Urdu University Hyderabad India 23.01.2023 Delivered lecture on Data Visualization in Refreshers Course on Computer Science & Information Technology 22july-03 August 2022 as a resource Person in HRDC MANUU Hyderabad 02 August 2022
ADMINISTRATIVE EXPERIENCE	<ul style="list-style-type: none"> Assistant Proctor, MANUU Hostel Warden MANUU Member of Security Tender Committee MANUU Member of Anti Ragging Committee MANUU Member BOS Department of MANUU Member of DRC Department of CS&IT MANUU Exam Co-ordinator of Department of CS&IT MANUU Observer NTA, NEET ,JEE, NET Telangana Observer in Various Entrance Test of MANUU Hyderabad

<p style="text-align: center;">SUPERVISION</p>	<p style="text-align: center;">Number of M.Tech. Ph.D.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><i>M.Tech.</i></td> <td style="text-align: center;">11</td> </tr> <tr> <td style="text-align: center;"><i>Ph.D.</i></td> <td style="text-align: center;">03 AWARDED, 4 ONGOING</td> </tr> </table> <p>Ph.D. Awarded</p> <ol style="list-style-type: none"> 1. Abdul Manan Koli (2016-2021) Prediction of Election outcomes through Data Mining Techniques 2. Jeelani Ahmed (2017-2023) Integrating Big Data Using Semantic Web Technologies 3. P Salma Khatoon (2018-2023), Development of an Effective Semantic Knowledge Base for IoT <p>Ph.D. Ongoing</p> <ol style="list-style-type: none"> 1. Md Gulzar (Registered in 27-10-2021), Chronic Disease Diagnosis and medical support system using semantic web Technology 2. Meduri vn S S S k Sai Somayajulu (Registered in 01-04-2022), Bit coin Price Prediction using Hybrid Machine Learning Model 3. Amir Khan (Registered in 27-10-2021), Dark web Traffic Classification and Attack detection system using machine learning 4. Hamad Shakeel (Registered in 2 September 2025) Fairness-Aware Graph Neural Network Framework for Bias Mitigation in Data-Driven Decision Systems 	<i>M.Tech.</i>	11	<i>Ph.D.</i>	03 AWARDED, 4 ONGOING
<i>M.Tech.</i>	11				
<i>Ph.D.</i>	03 AWARDED, 4 ONGOING				
<p style="text-align: center;">WORKSHOPS/ CONFERENCES/ TRAINING ATTENDEE</p>	<p>Workshop/FDP Participated</p> <ul style="list-style-type: none"> • Participated in One Week Online Faculty Development Program on “Emerging Research Trends in Computer Science” from 16-01-2024 to 20-01-2024 at School of Computer Science and Information Technology, Maulana Azad National Urdu University, India. • Participated in Orientation and Sensitization Program under Malviya Mission Teacher Training Programme of UGC organised by UGC MMTTC 19-02-2024 Participated in One week of AICTE ATAL FDP on AI & QML (Artificial Intelligence and Quantum Machine Learning) 20-11-2023 • Participated in Two week Online Faculty Development Program on Advance pedagogy 23.10.2023 • Participated in One Week faculty Development Program on Cyber Security in the Era of AI 22.09.2023 • Participated in Industrial Training for Faculty (Phase-II) for two weeks Conducted from 19th Dec 2022 to 31st Dec 2022. BSSN Hyderabad India • Participated in AICTE Training and Learning(ATAL)Academy online FDP on “Data Science” From 22-11-2021 To 26-11-2021 				

	<ul style="list-style-type: none"> • Participated in Industrial Training RTTC BSNL Telecom Nagar Hyderabad From 16-01-2020 To 05-12-2020 • Participated in Two day FDP on cyber security and forensic Dept. of computer science and information technology, MANUU From 17-02-2020 To 18-02-2020 • Participated in Four Days on line course on Examination Reforms From 15-04-2020 To 18-04-2020 • Participated in FDP on Research Methodology Tools and Techniques IILM College of engineering & Technology UP Greater Noida From 18-05-2020 To 25-05-2020 • Participated in Five day FDP on “Outcome Based Education and Accreditation” IILM College of engineering and technology UP Greater Noida From 25-05-2020 To 29-05-2020 • Participated in National level five day FDP on “R programming” & Five day FDP on “Research methodology :Tools and Techniques School Of IT IMS ,Noida From 25-05-2020 To 29-05-2020 • Participated in Six days online FDP on “Emerging technologies in engineering MALLA REDDY COLLEGE OF ENGINEERING secandrabad From 01-06-2020 To 06-06-2020 • Participated in Five day FDP on “ Artificial intelligence Indraprastha Institute Information Technology, Delhi(IIT) From 08-06-2020 To 12-06-2020 • Participated in Five days online FDP on “Digital Image processing with research methodology Karpagam College of Engineering, Coimbatore From 15-06-2020 To 19-06-2020 • Participated in One Week online FDP on “python For Data Science” Department of computer applications, MITS-Madanapalle From 24-06-2020 To 28-06-2020 • Attended Five days online FDP on “Applications of Machine Learning and Deep learning” Raj Kumar Goel Institute of Technology, Ghaziabad From 24-06-2020 To 28-06-2020 • Attended Five Days online faculty development program on “Machine Learning and it applications using Python” Ajay Kumar Garg Engineering College MCA Ghaziabad From 29-06-2020 To 03-07-2020 • Attended One week online FDP on “Recent trends in computer science and IT” Raj Kumar Goel Institute of technology, Ghaziabad From 13-07-2020 To 17-07-2020 • Attended One Week Online Faculty Development Programme on “Simulation and Modelling of Data Communications & Networks” MGIT Hyderabad From 27-07-2020 To 31-07-2020 • Attended One Week Online Short Term Training Programme on “Tableau”- Data Visualization Tools for Researchers Department of Computer Science and Engineering Villupuram, Tamilnadu From 31-08-2020 To 05-09-2020
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	<ul style="list-style-type: none"> • Attended AICTE ATAL FDP Program on “IoT Cloud based Innovative Product Development Indian Institute of Information technology Kottayam From 14-09-2020 To 18-09-2020 • Attended AICTE Training and Learning(ATAL)Academy online FDP on “Data Science” National Institute of Technology Karnataka From 21-09-2020 To 25-09-2020 • Participated in one Week FDP on Big Data Analytics and Deep Learning 03.01.2018 • Attended UGC Sponsored Refresher Course on Computer Science ,Bioinformatics and Information Technology Maulana Azad National Urdu University From 08-08-2017 To 28-08-2017 • Attended short term course on academic leadership UGC-HRDC MANUU From 01-05-2017 To 06-05-2017 • Attended three day workshop on online teaching, learning and assessment with open education resources technology tools& moodle MOOC platform programme production organized by IMC Maulana Azad National Urdu University HYDERABAD From 27-11-2017 To 29-11-2017 • Participated 115TH ORIENTATION COURSE UGC-HRDC JAMIA MILLIA ISLAMIA NEW From 27-04-2016 To 25-05-2016 • Attend Workshop E-Learning and Multimodal learning Analytics C-DAC Hyderabad in association with IIT hyd. school of it JNTU HYD. From 25-10-2016 To 25-10-2016 • Attend Workshop on cyber security &malware analysis Indian servers DDE MANUU From 02-11-2016 To 02-11-2016 • Participated in One Week Short Term Course on AI in Engineering Application NETAJI SUBHAS INSTITUTE OF TECHNOLOGY Delhi From 26-12-2016 To 30-12-2016 <p>Paper Presented:</p> <ul style="list-style-type: none"> • Presented a paper on Ontology Based Safe Drug prescription model for controlling diabetes in International Conference on Computational Method Data Science and Networking 17.1.2026 • Presented a paper on A Review on Advanced Digital Transformation in Health Services” in the International Conference on Computational Intelligence, Data Science, and Digital Transformation on 17.1.2026 • Presented paper on A review of a Deep Learning Model for Reliable handwritten Signature authentication in International Conference on Computational Method Data Science and Networking on 17.01.2025 • Presented Paper on Bit coin Price prediction using LSTM and CNN in international conference computational methods data science and Networking ICCMDN 2025 on 17.01.2025
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	<ul style="list-style-type: none"> • Presented a paper on Machine Learning Based Intrusion Detection System for Monitoring Attacks on Networks” in the International Conference on Computational Intelligence, Data Science, and Digital Transformation on 15.01.2025 Presented paper in International Conference on Computational Methods Data Science and Networking on 16.04.2025 • Presented Paper: Enhancing player experience in MMORPG through Semantic Web Technologies: A Summary of Findings in International Conference on Data Processing & Networking on 25.10.2024 • Presented paper: Enhanced Urdu Handwritten character and digit recognition using deep convolutional Neural Networks (CNN) International Conference on Advancements in Science, Engineering and management (ICASEM)2024 on 30.05.2024 • Presented Paper on Ensemble Learning for the prediction of Parkinson's Disease: A comprehensive Approach in Intentional Conference on ICT for Digital ,Smart and Sustainable Development on 23-04-2024 • Presented Paper: An Efficient Ontology-based Chronic Disease Diagnosis Model International conference on Computation of Artificial Intelligence & Machine Learning 18.01.2024 • Presented paper: Chronic disease Management Using Semantic Web Technology in International conference on Emerging Computational Intelligence on 11.02.2023 • Presented Paper: An Efficient Ontology-Based Drug Prescription Model in 8th International Conference on Research in Intelligent Computing in Engineering (RICE-2023) 01.02.2023 • Presented a paper on The rating based recommender system using textual review: A survey in National Conference Emerging Trends and Issues in Information Technology &Communication, ETIITC 218 on 18.03.2018 • Presented a paper on Analyzing the predicting power of Facebook data in Election outcomes in national Conference Emerging Trends and Issues in Information Technology &Communication, ETIITC 218 in 17.03.2018 • Presented Paper on Integrating disparate data using semantic web in national Conference Emerging Trends and Issues in Information Technology &Communication, ETIITC 218 in 17.03.2018 • Presented a paper on Big Data and E-Learning; Impact and applications National Conference on Emerging Research in E Learning and E-Technology on 20.02.2018
<p>PROFESSIONAL MEMBERSHIPS</p>	<ul style="list-style-type: none"> • Professional Member of Internet Society • Member of the society of digital information and wireless communications (SDIWC) • Professional Member of International Association of Engineers (IAENG)

	<ul style="list-style-type: none"> • Member of Eurasia Research • Member of Institute of Research Engineers and doctors
PERSONAL DETAILS	<p>Father's Name : Mr. Ghulam Mohammad Date of Birth : 02.03.1981 Gender : Male Marital Status : Married Nationality : Indian Language : English Hindi Urdu Known</p>

Significant Publications

Papers In Journals

- Ahmed, M. (2025).Ontology Based Knowledge Management System Design for Organic Farming .*Ontology Based Knowledge Management System Design for Organic Farming* 22(3), 1549-3636
- Ahmed, M. (2025).Ontology Based Multi Parameter Disease Diagnosis Model .*Journal of Information Systems Engineering and Management* 10(3), 2468-4376
- Ahmed,M., & Alam, N. (2023).Zero-day Network Intrusion Detection using Machine Learning Approach .*International Journal on Recent and Innovation Trends in Computing and Communication* 11(8), 2321-8169
- Khatoon,P.S., & Ahmed, M. (2022).Importance of semantic interoperability in smart agriculture systems .*Transaction in Emerging Telecommunication Technologies* 33(5), 2161-3915
- Ansari,M.D.,Usman,M., & Ahmed, M. (2022).Recent Advancements, Challenges and Future Trends in Machine Learning for IoT .*Recent Advances in Computer Science and Communications (Formerly: Recent Patents or Computer Science)* 15(1), 2666-2558
- Ahmed,J., & Ahmed, M. (2022).Machine Learning and Artificial Intelligence in Healthcare. *Empowering Artificial Intelligence Through Machine Learning* 0(0), 9781003055129
- Ahmad,J., & Ahmed, M. (2021).Online News Classification Using Machine Learning Techniques. *International Islamic University Malaysia* 22(2), 1511-758
- Koli,A.M., & Ahmed, M. (2021).Machine Learning Based Parametric Estimation Approach for Poll Prediction .*Recent Advances in Computer Science and Communications (Formerly: Recent Patents on Computer Science)*, 14(4), 2666-2558
- Ahmed,N.,Sethi,S., & Ahmed, M. (2020).Cache-Aware Query-Broadcast to Improve QoS of Routing Protocols in MANETs.*Wireless Personal Communications* 113(1), 1572-834

- Ahmed,J., & Ahmed, M. (2020).A Framework for Sentiment Analysis of Online News Articles. *Ahmed & Ahmed International Journal on Emerging Technologies* 11(3): 267-274(2020) 267 11(3), 0975-8364
- Koli,A.M., & Ahmed, M. (2019).Exploring the Power of Social Media in Election Predictions. *International Journal of Recent Technology and Engineering* 8(2), 2277-3878
- Ahmed,J., & Ahmed, M. (2019).A Web-Based Framework for Classification and Integration of News Articles Big Data using Ontology. *International Journal of Recent Technology and Engineering* 8(3), 2277-3878
- Arshad,M., & Ahmed, M. (2019).Prediction of Train Delay in Indian Railways through Machine Learning Techniques .*IJCSE* 7(2), 2347-2693
- Ahmed, M. (2018).Election Prediction Using Big Data Analytics-A Survey. *International Journal of Engineering & Technology* 7(4.5), 2227-524
- Ahmed, M. (2018).Big data and semantic web, challenges and opportunities. *International Journal of Engineering & Technology* 7(4.5), 2227-524
- Ahmed, M. (2018).Semantic Web Approach of Integrating Big Data- A Review. *International Journal of Computer Sciences and Engineering* 6(9), 2347-2693
- Ahmed, M. (2017).Semantic Based Intelligent Information Retrieval through Data mining and Ontology. *International Journal of Computer Sciences and Engineering* 5(10), 2347-2693
- Ahmed, M. (2016).Leveraging Semantic Web Technologies for Enterprises dealing with Big Data.*Intl J Engg Sci Adv Research* 2(1), 2395-0730
- Ahmed, M. (2015).A study of recommendation systems based on sentiment through Textual review. *Internat Journal of Research* 4(1), 2236-6124

Papers In Conference Proceedings

- Ahmed,M., & Ahmed, M. (2024).An Efficient Ontology Based Chronic Disease Diagnosis Model. 2185(), 978-3-0-31-71483-2
- Gulzar,M., & Ahmed, M. (2023).chronic Disease Management using Semantic Web Technologies. *Proceedings of the 17th INDIACom; 2023 10th International Conference on Computing for Sustainable Global Development, INDIACom 2023* 23040316(978-93-80544-47-2), 978-93-80544-47-2
- Ahmed,J., & Ahmed, M. (2021).A study of big data and classification of NoSQL databases. *International Conference on Technology, Engineering, Management for Societal impact using Marketing, Entrepreneurship and Talent (TEMSMET)* 51618(.), 978-1-6654-4641-9
- Khatoon, P., & Ahmed, M. (2021).A Crop Selection Framework using K Nearest Neighbour for IoT Semantic Interoperability Applications.*8th International Conference on Computing for Sustainable Global Development (INDIACom)* 0(0), 978-1-7281-9546-9

- Ahmed, M. (2021).National Conference on Computational Method data Science and Application. *A Comparative Study of Indian Higher Education institute web sites on the challenge Regarding web Accessibility* 1(1), 0
- Khatoon, P.S., & Ahmed, M. (2020).Semantic Interoperability for IoT Agriculture Framework with Heterogeneous Devices. *International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications* 1245(1), 978-981-15-7233-3
- Ahmed,J., & Ahmed, M. (2020).Ontological Based Approach of Integrating Big Data: Issues and Prospects. *ICDSMLA 2019* 601(978-981-15-1419-7), 978-981-15-1419-7
- Ahmed,J., & Ahmed, M. (2018).BigData and E-Learning Impact and Application. *National Conference on Emerging Research in E-Learning and E-Technology* 0(0), 0
- Ahmed. & Ahmed, J. (2018).Challenges of integrating disparate data using semantic web. *National Conference on Emerging Trends and issues in information technology and communication* 0(0), 0
- Ahmed., & Koli, M. (2018).Analysing the Predicting power of Facebook data in election outcomes. *National Conference on Emerging Trends and issues in information Technology &Technology &Communication*
- Ahmed, M. (2018).Rating Based Recommender System Using Textual Review A Survey. *National Conference on Emerging Trends and issues in information technology and Communication*

Chapter In Book

- Ahmed, M., & Ahmad, J. (2022).Empowering Artificial Intelligence through Machine Learning. 1(),9781774638125
- Rashid, E., Ansari, M.D., Gunjan, V.K., & Ahmed, M. (2020).Improvement in Extended Object Tracking with the Vision-Based Algorithm. 885(), 978-3-030-38444-9
- Koli,B.M., & Ahmed, M. (2018).An Empirical Study on Potential and Risks of Twitter Data for Predicting Election Outcomes. 01(), 978-981-13-2284-6

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