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PROF. (DR.) SYED IMTIYAZ HASSAN | Professor
(Ph.D. in Computer Science)

Having more than **25 years** of teaching, research, mentoring, project supervision & having approximately **03 years** of experience as **Head of the Department**.

EDUCATIONAL QUALIFICATION	▪ **DOCTOR OF PHILOSOPHY (PH.D.)** *Department of Computer Science,* *Jamia Millia Islamia (Central University), New Delhi (India)*
ACADEMIC AND ADMINISTRATIVE EXPERIENCE	▪ *Nov 08, 2022– Till Date: Professor* Department of CS & IT, School of Technology, Maulana Azad National Urdu University *(Central University)*, Hyderabad, Telangana (India) ▪ *Sep 26, 2020– Sep 25, 2023: Head of the Department* Department of CS & IT, School of Technology, Maulana Azad National Urdu University *(Central University)*, Hyderabad, Telangana (India) ▪ *Nov 08, 2019– Nov 07, 2022: Associate Professor* Department of CS & IT, School of Technology, Maulana Azad National Urdu University *(Central University)*, Hyderabad, Telangana (India) ▪ *Feb 20, 2008– Nov 07, 2019: Assistant Professor* Department of Computer Science & Engineering, School of Engineering Sciences & Technology, Jamia Hamdard (Hamdard University), New Delhi (India) ▪ *Jul 11, 2006 – Feb 19, 2008: Senior Lecturer* Department of Computer Science, Inderprastha Engineering College (I.P.E.C.), Ghaziabad, Uttar Pradesh (India) ▪ *Jul 24, 2004 – Jul 10, 2006: Lecturer* Department of Computer Science, NICE Management College (N.M.C.), Meerut, Uttar Pradesh (India)

TEACHING PROFICIENCY	▪ ***Core/Foundation Courses:*** Object Oriented Paradigm, Data Structure, Algorithms, Software Engineering, Database Management System ▪ ***Programming Languages:*** Java, Python, Solidity, C++, C ▪ ***Java Web Development:*** Servlets, JSP, Beans, JDBC, MVC ▪ ***Disruptive Technologies:*** Blockchain, Artificial Intelligence, Machine Learning ▪ ***Interdisciplinary:*** Research Methodology
AREA OF SPECIALIZATION	▪ Sustainable Development ▪ Blockchain Technology ▪ Artificial Intelligence & Machine Learning ▪ Intelligent & Smart Computing
RESEARCH FOCUS AREA	▪ Sustainable Technology adoption for financial inclusion of rural, marginalized and small stakeholders
RESEARCH PROJECT	▪ Blockchain Technology Adoption for Zakat Collection and Distribution: A Conceptual Model funded by Maulana Azad National Urdu University, Hyderabad (*January 01, 2024 – December 31, 2024*)
NUMBER OF PH.D.| PG | UG SUPERVISONS/ CO-SUPERVISIONS	▪ ***PH.D.:*** *Awarded: 02; Ongoing: 06* ▪ ***M.TECH.:*** *35* ▪ ***MCA:*** *30* ▪ ***M. SC. (CS)****: 27* ▪ ***B.TECH:*** *45*
FEATURED VIDEOS	▪ *In Conversation: What is the buzz about Blockchain technology? Guftagu: episode 49- part 1, January 08, 2022, MS Education,* *https://www.youtube.com/watch?v=ee8BEKhhI54* ▪ *In Conversation: What is the buzz about Blockchain technology? Guftagu: episode 49- part 2, January 09, 2022, MS Education,* *https://www.youtube.com/watch?v=RqDgvkKhTb4* ▪ *Blockchain Fundamentals by Prof Syed Imtiyaz Hassan, Part 1/3, IMC MANUU,* *https://www.youtube.com/watch?v=_ecWpPJ3MO0* ▪ *Blockchain Technology by Prof Syed Imtiyaz Hassan, Part 2/3, IMC MANUU,* *https://www.youtube.com/watch?v=DD1cYmc7a0g*
DETAILS OF KEYNOTE SPEAKER/RESOURCE PERSON/ SESSION CHAIR ETC.	1. *Invited Lecture:* **Information & Communication Technology** *(November 25, 2025)* In Online "NEP-2020 Orientation & Sensitization Porgramme", 19th to 28th November, 2025, The Malaviya

Mission Teacher Training Centre (MMTTC), Maulana Azad National Urdu University, Hyderabad.

2. *Invited Lecture:* **Next-Gen Research in Computer Science and Engineering** *(October 15, 2025)*
   In Online Faculty Development Programme on 'Next-Gen Research in Computer Science and Engineering' held from 13th October to 17th October, 2024, Organized by Department of Computer Science and Engineering, Lords Institute of Engineering and Technology (Autonomous), Hyderabad.

3. *Invited Lecture:* **AI sustainability and rural development** *(August 12, 2025)*
   In Online "Two-Weeks Multidisciplinary Refresher Course on Artificial Intelligence: AI as Catalyst for Academic Synergy (Hybrid mode)" (w.e.f. 6th -22nd August, 2025) at Malaviya Mission Teacher Training Centre (MMTTC), Jamia Millia Islamia, Central University, New Delhi.

4. *Invited Lecture:* **Effective Online Education using ICT** *(November 22, 2024)*
   In Online "NEP-2020 Orientation & Sensitization Porgramme", 18th to 27th November, 2024, The Malaviya Mission Teacher Training Centre (MMTTC), Maulana Azad National Urdu University, Hyderabad.

2. *Invited Lecture:* **Machine Learning for Sustainability** *(September 26, 2024)*
   In National Level Five days Online FDP on ML and its Applications, 23rd Sept 2024 to 27th Sept 2024, organized by the Department of Computer Science & Engineering, B I G C E, Solapur.

3. *Invited Lecture:* **ICT in Education-I** *(September 27, 2024)*
   In Online "NEP-2020 Orientation & Sensitization Porgramme", 18th to 27th September, 2024, The Malaviya Mission Teacher Training Centre (MMTTC), Maulana Azad National Urdu University, Hyderabad.

4. *Invited Lecture:* **Information & Communication Technology-II** *(August 27, 2024)*
   In Online "NEP-2020 Orientation & Sensitization Porgramme", 19th to 28th August, 2024, The Malaviya Mission Teacher Training Centre (MMTTC), Maulana Azad National Urdu University, Hyderabad.

5. *Invited Lecture***: Building DApps** *(May 01, 2024)*
   In Online Faculty Development Programme on 'Blockchain Technology and its Current Research Challenges' held from 29th April to 3rd May, 2024, Organized by Department of Information Technology, Vasavi College of Engineering, Hyderabad.

6. **Keynote Speaker**: **Contextualizing Sustainable Solutions for Rural Development** *(March 22, 2024)*

In National Conference on Sustainable Solutions for Community Services through Engineering Projects - 2024 (NCSSCSTE - 2024), 22-23 March 2024, Organized by Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation (KLH University), Hyderabad

7. *Invited Lecture*: ***Hands-on Session on Blockchain Technology and Use Cases*** *(January 17, 2024)*
   In FDP/Workshop on Emerging Trends in Computer Science from 16 January 2024 to 20 January 2024, Organized by Department of CS&IT, Maulana Azad National Urdu University, Hyderabad.

8. *Invited Talk*: ***World Creativity and Innovation Day*** *(April 21, 2023)*
   At Institute Innovation Council, Maulana Azad National Urdu University Hyderabad.

9. *Invited Lecture*: ***Cyber Safety and Security Hygiene Practices*** *(February 02, 2023)*
   In online Short Term Programme on Cyber Crime and Cyber Security from 20 February to 25 February, 2023, The Human Resource Development Centre, Jamia Millia Islamia, New Delhi.

10. *Invited Lecture*: ***Defining and Collecting Data-Using Excel*** *(January 03, 2023)*
    In Workshop on Research Methodology in Social Sciences using SPSS and Excel from 18 January 2023 to 30 January 2023, Organized by Department of Economics and the School of Arts & Social Sciences, Maulana Azad National Urdu University Hyderabad.

11. *Invited Lecture*: ***Blockchain and Security*** *(November 10, 2022)*
    In International Conferences on Cyber Security Trends (ICCST-2022), Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation (KLH University), Hyderabad.

12. *Expert Lecture*: ***Introduction to Value Education*** *(November 07, 2022)*
    In Deeksharambh-Student Induction Program 2022 from October 31, 2022 to November 19, 2022, School of Technology, Maulana Azad National Urdu University, Hyderabad, Telangana.

13. *Chief Guest*: ***Valedictory Session*** *(July 29, 2022)*
    Chief Guest for Valedictory Function of FDP entitled: "***Artificial Intelligence, Machine Learning & Applications***", organized by Department of E&TC Engineering, Bharatratna Indira Gandhi College of Engineering, Solapur, Maharashtra, India, July 25-29, 2022.

14. *Invited Talk*: ***Artificial Intelligence, E-governance and Sustainability*** *(July 29, 2022)*

In FDP entitled: "Artificial Intelligence, Machine Learning & Applications", organized by Department of E&TC Engineering, Bharatratna Indira Gandhi College of Engineering, Solapur, Maharashtra, India, July 25-29, 2022.

15. *Invited Talk:* ***Crypto Currencies & Blockchain Technology: Applications, Issues and Challenges*** *(April 06, 2022)*
   In Online Webinar on Crypto Currencies: Issues and Challenges, The Administrative Staff College of India, (ASCI) Hyderabad, April 06, 2022.

16. *In Conversation:* ***What is the buzz about Blockchain technology****? (January 08, 2022)*
   Guftagu: episode 49- **part 1**, MS Education [Available Online]: https://www.youtube.com/watch?v=ee8BEKhhI54

17. *In Conversation:* ***What is the buzz about Blockchain technology? (January 09, 2022)***
   Guftagu: episode 49- **part 2**, , MS Education [Available Online]: https://www.youtube.com/watch?v=RqDgvkKhTb4

18. *Key note Speaker:* ***Sustainable Innovations Inspired by Nature: Smart Cities Utilities and Artificial Intelligence*** *(June 25, 2021)*
   In "National Conference on Intelligent and Secure Smart Systems (NCISSS)", Koneru Lakshmaiah Education Foundation (KLH University), Hyderabad, June 25-26, 2021.

19. *Invited Lecture:* ***Technology, Sustainability and Smart Village*** *(July 21, 2022)*
   On July 21, 2022 at HRDC MANUU as a part of the Refresher Course in CS&IT conducted by UGC HRDC MANUU, July 21-August 03, 2022.

20. *Eminent Speaker:* ***Sustainable Innovations & Start-ups Inspired by Nature (****August 12, 2021)*
   In "Faculty Development Cum Enrichment Program on Technology-Innovation, Challenges & Solutions", Amity Institute of Information Technology, AUUP, August 12-17, 2021.

21. *Invited Talk:* ***Emerging Technologies and Public Administrations*** *(April 24, 2022)*
   In Silver Jubilee Celebrations, Department of Public Administration, MANUU, April 24, 2022.

22. *Invited Talk:* ***Online Course Design, Development and Delivery Process*** *(October 30, 2021)*
   In "Workshop on eContent Development and Online Pedagogy" UGC Human Resource Development Centre, Maulana Azad National Urdu University, Hyderabad, October 25-30, 2021.

23. *Invited Talk:* ***Nature and Technology*** *(October 12, 2021)*
   In Deeksharambh-3 Weeks Student Induction Program 2021, School of Technology & School of Commerce & Business Management, Maulana Azad National Urdu University, Hyderabad, October 12, 2021.

24. *Introduction:* ***India's freedom struggle (****March 12, 2021)*
   In *Azadi Ka Amrut Mahotsav*, 75 years of India's Independence, MANUU.

25. ***Session chair*** (*May 25, 2021)*

In 2nd National Conference on Computational Methods, Data Science and Applications, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad, May 24-25, 2021.

COLLABORATIVE EFFORTS (Present & Past)	▪ ***President:*** National Digital Library of India (NDLI) Club, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad. ▪ ***Member Technical Programme Committee:*** INDIACom 2017 to 2025, International Conference on Computing for Global Sustainable Development, Bharati Vidyapeeth, New Delhi. ▪ ***Conference Secretary:*** International Conference on ICT for Digital, Smart, and Sustainable Development (ICIDSSD '19) on March 15-16, 2019 at Jamia Hamdard, New Delhi. ▪ ***Editor:*** Proceedings of International Conference on ICT for Digital, Smart, and Sustainable Development (ICIDSSD '19) on March 15-16, 2019 at Jamia Hamdard, New Delhi. ▪ ***Conference Secretary:*** National Conference on Recent Developments in Computing and its Applications, NCRDCA'09, August 12-13, 2009, Held at Jamia Hamdard, New Delhi. ▪ ***Member Technical Programme Committee:*** INDIACom 2017, International Conference on Computing for Global Sustainable Development, 1-3 March 2017, New Delhi. ▪ ***Member Editorial Board:*** Journal of Information Technology Education: Research (JITE: Research), California, USA, Online ISSN: 1539-3585, Print ISSN: 1547-9714 ▪ ***Member Program Committee:*** The Second International Conference on Foundations of Computer Science & Technology (FCST-2014), June 14-15, 2014, Zurich, Switzerland ▪ ***Member Technical Program Committee:*** 09th National Conference on "Smarter Approaches in Computing Technologies & Applications (SACTA-2014)" 19th April 2014 at ITS, Ghaziabad, India. Published in special issue of International Journal of Computer Applications (IJCA), NY, USA ▪ ***Member Editorial Board:*** NERDZ 2014 Magazine, Jamia Hamdard, New Delhi.
ACADEMIC AND ADMINISTRATIVE EXPERIENCE	**Present** ▪ ***Member***, Academic Council, Maulana Azad National Urdu University, Hyderabad. ▪ ***Member***, School Board, School of Technology, Maulana Azad National Urdu University, Hyderabad. ▪ ***Member***, Board of Studies, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad. ▪ ***Member***, Departmental Research Committee, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad. ▪ ***Coordinator***, Departmental Level R&D Committee, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad.

- *Coordinator*, Departmental Level Curriculum Review/NEP Committee, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad.

Past
- *Head*, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad.
- *Chairman*, Board of Studies, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad.
- *Chairman*, Departmental Research Committee, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad.
- *Co-chair*, Departmental Level R&D Committee, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad.
- *Co-chair*, Departmental Level IQAC & NAAC Committee, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad.
- *Co-chair*, Departmental Level NATIONAL EDUCATION POLICY (NEP) Committee, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad.
- *Co-chair*, Departmental Level NATIONAL INSTITUTIONAL RANKING FRAMEWORK (NIRF) Committee, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad.
- *Co-chair*, Departmental Level INSTITUTE INDUCTION PROGRAM CELL (IIPC), Department of CS & IT, Maulana Azad National Urdu University, Hyderabad.
- *Member*, University Disciplinary Committee, Maulana Azad National Urdu University, Hyderabad.
- *TPO*, Department of CS & IT, Maulana Azad National Urdu University, Hyderabad.
- *Research Coordinator*, School of Engineering Sciences & Technology, Jamia Hamdard.
- *Member-Convener,* School of Engineering Sciences & Technology, Jamia Hamdard for Course structure and Bye laws of the two years programme M.Sc. (CS/IT) Program *(2019-20)* based on outcome based learning & Choice Based Credit System (CBCS) w.e.f. session 2019-20.
- *Member* of BOS, Prospectus and Bylaws, IQAC Committee, School of Engineering Sciences & Technology, Jamia Hamdard.
- *Central Coordinator*, Certificate Software Training Courses from IIT Bombay under National Mission in Education through ICT by MHRD, Govt. of India at School of Engineering Sciences & Technology, Jamia Hamdard .
- *Coordinator*, Time Table, School of Engineering Sciences & Technology, Jamia Hamdard.
- *Member-Convener* of Course structure and Bye laws *(2018-19)* of the programmes M. Tech(CSE), M. Tech.(CSE) with specialization in Big Data Analytics, M. Tech(CSE) with specialization in Information Security & Cyber Forensics, M. Tech. (CSE-Part Time), Master of Computer Application, B. Tech.(CSE), B. Tech. (ECE), BCA-MCA Integrated, and BCA Courses based on AICTE model curriculum, outcome based

learning & Choice Based Credit System (CBCS) w.e.f. session 2018-19 at School of Engineering Sciences & Technology, Jamia Hamdard .

- *Coordinator*, One month Induction Program for B. Tech.(CSE) and B. Tech (ECE) session 2018-19, as per AICTE norms at School of Engineering Sciences & Technology, Jamia Hamdard.
- *Member-Convener* of Course structure and Bye laws *(2015-16)* of the programmes M. Tech(CSE), M. Tech(ISCF), M. Tech. (CSE-Part Time), Master of Computer Application, B. Tech.(CSE), B. Tech. (ECE) and BCA Courses based on outcome based learning & Choice Based Credit System (CBCS) w.e.f. session 2015-16 at School of Engineering Sciences & Technology, Jamia Hamdard.
- *Member-Convener* of Course structure and Bye laws *(2014-15)* of the programmes M. Tech(CSE), M. Tech(ISCF), M. Tech. (CSE-Part Time), Master of Computer Application, B. Tech.(CSE), B. Tech. (ECE) and BCA Courses based on Choice Based Credit System (CBCS) w.e.f. session 2014-15 at School of Engineering Sciences & Technology, Jamia Hamdard.
- *Member* of Board of Research Studies, Faculty of Engineering & Technology, Jamia Hamdard.
- *Member* of Board of Studies of Faculty of Engineering & Technology, Jamia Hamdard.
- *Coordinator* of Faculty Admission Committee of M. Tech. (CSE), M. Tech. (ISCF) and M. Tech. (CSE)-PT Program, Jamia Hamdard .
- *Coordinator* of Dissertation Evaluation Committee for assessment of Masters and Bachelors Dissertation of the Department of Computer Science, Jamia Hamdard.
- *Member* of Department assessment committee for review of the new recruits of the Department of Computer Science, Jamia Hamdard.
- *Coordinator* of Foreign Students admitted in the Department of Computer Science, Jamia Hamdard.
- *Coordinator* of Time table of Department of Computer Science, Jamia Hamdard.
- *In-charge* of Academic-Industry Partnership Program, Inderprastha Engineering College.
- *Member* of In-house software center for automation of academic activities, Inderprastha Engineering College.

SELECTED RESEARCH PUBLICATIONS	

1. Hassan, S.I. **(2026)**. An Evidence-Based Blockchain Digital Literacy Model for Sustainable Smart Village: A Step Toward Minimizing Rural–Urban Digital Divide. In: Advances in Data-Driven Computing and Intelligent Systems. ADCIS 2024. Lecture Notes in Networks and Systems, vol 1445. pp 233–245, Springer, Singapore. https://doi.org/10.1007/978-981-96-7140-3_16
   [Indexed in Scopus]
2. Hassan, S.I. **(2025).** Blockchain-Based Rural Heterogeneity Management and Data Sharing for Sustainable Smart Village. In: Proceedings of International Conference on Artificial Intelligence,

Communication Technologies and Smart Cities. ICACS 2025. Lecture Notes in Networks and Systems, vol 1533. pp 89-102. Springer, Singapore. https://doi.org/10.1007/978-981-96-9196-8_6 *[Indexed in Scopus]*

3. S. Shahnaz, S. Afzal and S. I. Hassan **(2025)**, Implementing Decentralized Crowdfunding Application Using Ethereum Blockchain, Seventeenth International Conference on Contemporary Computing (IC3), Noida, India, 2025, pp. 1-5, doi: 10.1109/IC366947.2025.11290388, https://ieeexplore.ieee.org/document/11290388 *[Indexed in Scopus]*

4. Ahmed, N., Hassan, S.I., Hussain, M.Z. **(2025)**. Harnessing Machine Learning for Early Diabetes Forecasting. In Innovative Computing and Communications. ICICC 2025. Lecture Notes in Networks and Systems, vol 1438. Springer, Singapore. https://doi.org/10.1007/978-981-96-7707-8_3 *[Indexed in Scopus]*

5. Yaseen H. and Hassan S.I. *(2025).* Comparative Analysis of Smart Contract Vulnerability Detection: Traditional RegEx vs DL Codebert Model, 2025 Second International Conference on Cognitive Robotics and Intelligent Systems (ICC - ROBINS), Coimbatore, India, 2025, pp. 237-242, doi: 10.1109/ICC-ROBINS64345.2025.11086305. https://ieeexplore.ieee.org/abstract/document/11086305 *[Indexed in Scopus]*

6. Ahmad, N., Hassan, S.I., Hussain, Z. *(2025).* AI in Healthcare: Forecasting Diabetes with Machine Learning Approaches, International Journal of Computing and Digital Systems, 18(1), 1-10. http://dx.doi.org/10.12785/ijcds/1571152581 *[Indexed in Scopus]*

7. Afzal, S., Hassan, S.I. **(2025)**. Blockchain Application in Sustainable Smart Water and Wastewater Management. In: Fostering Machine Learning and IoT for Blockchain Technology. Transactions on Computer Systems and Networks. Springer, Singapore. https://doi.org/10.1007/978-981-96-4074-4_10

8. Yaseen, H., & Hassan, S. I. **(2024)**. A Systematic Review on Privacy Preservation Techniques for Smart Contracts in Blockchain using Machine Learning. 2024 International Conference on Cognitive Robotics and Intelligent Systems (ICC - ROBINS), 822–827. https://doi.org/10.1109/ICC-ROBINS60238.2024.10533967 *[Indexed in Scopus]*

9. Kaifi, K., Rahman, N., Nafis, M. T., & Hassan, S. I. **(2024)**. Early Spotting of Parkinson's Illness using Machine Learning techniques. AIP Conf. Proc. 2 May 2024, 3107 (1): 050019. https://doi.org/10.1063/5.0208443 *[Indexed in Scopus]*

10. Banu, S. U., & Hassan, S. I. **(2023**). Intelligent Transport Systems for Vulnerable Transport Users: Use of Assistive Technology for Sustainable Development Goal Target 11.2. 14th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2023, 2023-June. *[Indexed in Scopus]*

11. Tabassum, K., & Hassan, S. I. **(2023**). A Systematic Review on Compatibility Requirements for Communication in Hetero-Multi Blockchain Systems. In Cognitive Science and Technology: Vol. Part F1493. https://doi.org/10.1007/978-981-99-2746-3_29 *[Indexed in Scopus]*

12. Farooqi, A. M., Alam, M. A., Hassan, S. I., & Idrees, S. M. **(2022)**. A Fog Computing Model for VANET to Reduce Latency and Delay Using 5G Network in Smart City Transportation. Applied Sciences (Switzerland), 12(4). https://doi.org/10.3390/app12042083 *[Indexed in Scopus & SCIE (IF: 2.8)]*

13. Batra, P., Hussain, I., Ahad, M. A., Casalino, G., Alam, M. A., Khalique, A., & Hassan, S. I. **(2022)**. A Novel Memory and Time-Efficient ALPR System Based on YOLOv5. Sensors, 22(14), 5283. https://doi.org/10.3390/s22145283 *[Indexed in Scopus & SCIE (IF: 3.84)]*

14. Alam, S. I., Khan, I. R., Hassan, S. I., Siddiqui, F., Alam, M. A., & Mahto, A. K. **(2021)**. Open Data Release and Privacy Concerns: Complexity in Mitigating Vulnerability with Controlled Perturbation. Journal of Food Quality, 2021, 1–8. https://doi.org/10.1155/2021/9929049 *[Indexed in Scopus & SCIE (IF: 3.2)]*

15. Alam, S. I., Hassan, S. I., Khan, I. R., Alam, M. A., & Mahto, A. K. **(2021)**. Potential of open data in sustainable and open governance: A search for imperceptible barriers. https://doi.org/10.4108/eai.27-2-2020.2303235

16. Farooqi, A. M., Alam, M. A., Hassan, S. I., & Ansari, L. **(2021)**. Approaches of Shared Smart Parking Model in Fog and Roadside Cloud Environment: A Detailed Survey. Proceedings of the 6th International Conference on Communication and Electronics Systems, ICCES 2021, 914–924. https://doi.org/10.1109/ICCES51350.2021.9489178 *[Indexed in Scopus]*

17. Agarwal, P., Hassan, S. I., & Ahmed, J. **(2020)**. Intelligent transportation system: A complete insight. In IoT and Cloud Computing Advancements in Vehicular Ad-Hoc Networks. https://doi.org/10.4018/978-1-7998-2570-8.ch004 *[Indexed in Scopus]*

18. Nizam, T., & Hassan, S. I. **(2020)**. Exemplifying the effects of distance metrics on clustering techniques: F-measure, accuracy and efficiency. Proceedings of the 7th International Conference on Computing for Sustainable Global Development, INDIACom 2020, 39–44. https://ieeexplore.ieee.org/document/9083687 *[Indexed in Scopus]*

19. Hassan, S. I., & Agarwal, P. **(2020)**. Analytical Approach to Sustainable Smart City Using IoT and Machine Learning. In Big Data, IoT, and Machine Learning. https://doi.org/10.1201/9780429322990-14

20. Hassan, S. I., Samad, A., Ahmad, O., & Alam, A. **(2020)**. Partitioning and hierarchical based clustering: a comparative empirical assessment on internal and external indices, accuracy, and time. International Journal of Information Technology (Singapore), 12(4). https://doi.org/10.1007/s41870-019-00406-7 *[Indexed in Scopus]*

21. Firdaus, H., & Hassan, S. I. **(2020)**. Unsupervised Learning on Healthcare Survey Data with Particle Swarm Optimization. In: Machine Learning with Health Care Perspective. Learning and Analytics in Intelligent Systems, vol 13. Springer, Cham. https://doi.org/10.1007/978-3-030-40850-3_4

22. Negi, A.K., Hassan, S.I. **(2020)**. Modeling Machine Learning Agent for Interaction Conversational System Using Max Entropy Approach in Natural Language Processing. In: Data Communication and Networks. Advances in Intelligent Systems and Computing, vol 1049. Springer, Singapore. https://doi.org/10.1007/978-981-15-0132-6_14

23. Farooqi, A. M., Hassan, S. I., & Alam, M. A. **(2019)**. Sustainability and Fog Computing: Applications, Advantages and Challenges. 2019 Proceedings of the 3rd International Conference on Computing and Communications Technologies, ICCCT 2019, 18–23. https://ieeexplore.ieee.org/document/8824983
[Indexed in Scopus]

24. Alam, S. I., Hassan, S. I., & Uddin, M. **(2018)**. Fuzzy Models and Business Intelligence in Web-Based Applications. In Applications of Soft Computing for the Web (pp. 193–221). https://doi.org/10.1007/978-981-10-7098-3_12

25. Hassan, S. I. **(2016)**. Extracting the sentiment score of customer review from unstructured big data using map reduce algorithm. International Journal of Database Theory and Application, 9(12), 289–298. https://doi.org/10.14257/ijdta.2016.9.12.26
[Indexed in Scopus]

26. Shalini, & Hassan, S. I. **(2014)**. An empirical evaluation of the impact of aspectization of cross-cutting concerns in a Smart-Phone based application. 2014 International Conference on Computing for Sustainable Global Development, INDIACom 2014, 448–454. *[Indexed in Scopus]*

Urdu Publications

1. Syed Imtiyaz Hassan, "Aqwam-e-Mutahedah ke Payedar Taraqqi Ehdaf aur Urdu University ki Zimmedariyan: Ek Nuqta-e-Nazar *(United Nations Sustainable Development Goals and Responsibilities of Urdu University: An Approach)*", Qaumi Zaban, The Telangana State Urdu Academy, vol. 08, no. 07, July 2023, pp. 67-73, ISSN. 2321-4627 [Available on: URL] https://urduacademyts.com/qzdl/qaumi-zaban-2023/
[Urdu, UGC Care]

ڈاکٹر سید امتیاز حسن , اقوام متحدہ کے پائیدار ترقی اہداف اور اردو یونیورسٹی کی ذمہ داریاں: ایک نقطہ نظر ، ماہنامہ قومی زبان ، تلنگانہ ریاستی اردو اکیڈمی، جلد۸، شارہ۷، جولائی۲۰۲۳، صفحات۶۷-۷۳ ، ISSN. 2321-4627 ، یو جی سی سے منظور شدہ

2. Syed Imtiyaz Hassan, "Maadri Zaban Urdu-Kal Aaj aur Kal: Ek Shumaryaati Tazjiya *(Mother Tongue Urdu: Yesterday, Today and Tomorrow: A Statistical Analysis)*",

Urdu Duniya, National Council for Promotion of Urdu Language, vol. 25, issue. 5, May 2023, pp. 34-35, ISSN. 2249-0639 [Available on: URL] https://www.urducouncil.nic.in/e-library/ncpul-magazines
[Urdu, UGC Care]

ڈاکٹر سید امتیاز حسن , مادری زبان اردو۔ کل آج اور کل: ایک شماریاتی تجزیہ ، اردو دنیا ، قومی کونسل برائے فروغ اردو زبان ، جلد۲۵، شارہ ۵، مئی ۲۰۲۳، صفحات ۳۴-۳۵ ، 2249-0639 .ISSN، یو جی سی سے منظور شدہ

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قومی ہفتہ غذائیت: ناقص غذائیت کے خاتمے میں ذریعی ٹیکنالوجی کا کردار۔ روزنامہ سیاست حیدرآباد۔ سنڈے ایڈیشن۔ ۵ ستمبر 2021ء ۔صفحہ ۸

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ٹیچرس ڈے: میری زندگی کے سب سے عظیم استاد کو خراج تحسین۔ روزنامہ منصف حیدرآباد۔ نئی منزلیں نئے قدم۔ ۱۱ ستمبر ۲۰۲۱ ۔صفحہ ۲

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