




Department of Computer Science and Information Technology
School of Technology
Maulana Azad National Urdu University (Central University)
Gachibowli, Hyderabad, Telangana-500032, India

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Follow me on:  

DR. SYED IMTIYAZ HASSAN | Associate Professor

Having more than **23 years** of professional experience of teaching, research and project supervision & having approximately **5 years** of experience as **Head of the Department**.

CURRENT DESIGNATION/ INVOLVEMENT Associate Professor

AREA OF SPECIALIZATION

- Data science
- Sustainable Development
- Machine Learning
- Smart Computing
- Blockchain Technology
- Cyber-Physical Systems & IOT

ONGOING ACADEMIC/ RESEARCH PROJECTS

- Blockchain Technology Adoption for Zakat Collection and Distribution: A Conceptual Model funded by Maulana Azad National Urdu University, Hyderabad (January 01, 2024 – Till Date)

NUMBER OF PUBLICATION

- **SCIE/ESCI/WoS:** 05
- **Scopus:** 15
- **Journal:** 28
- **Conference:** 07
- **Book Chapter:** 06

NUMBER OF PH.D. | PG | UG SUPERVISIONS

- **PH.D.:** Awarded: 02; Ongoing: 05
- **M.TECH.:** 35
- **MCA:** 30
- **M. SC. (CS):** 27
- **B.TECH:** 41

INNOVATION WITH FIELD OF STUDY AND COLLABORATIVE EFFORTS

- **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 2023, 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

Having more than **21 years** of professional experience of teaching, research and project supervision.

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– Till Date: 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)

Aug 01, 2003 – Jul 23, 2004: Lecturer

Department of Computer Science, R. C. Institute of Technology (R.C.I.T.), Delhi (India)

Jul 01, 2001 – Jul 31, 2003: Faculty Member

Priyadarshini Academy of Computer Learning (P.A.C.L.), Delhi (India)

Other Academic/Administrative Responsibilities

Present

- **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.

- **Member**, Academic Council, Maulana Azad National Urdu University, Hyderabad.
- **Member**, School Board, School of Technology, Maulana Azad National Urdu University, Hyderabad.
- **Member**, University Disciplinary Committee, 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.
- **TPO**, 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.
- **Head** of the Department of Bachelor of Computer Application Campus, Inderprastha Engineering College.
- **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.

EDUCATIONAL QUALIFICATION

DOCTOR OF PHILOSOPHY (PH.D.), 2013

Department of Computer Science,
Jamia Millia Islamia (Central University), New Delhi (India)

TEACHING PROFICIENCY

COURSES

- Data Structures and Algorithms
- Java Programming
- Object Oriented Software Engineering
- Software Engineering
- Research Methodology
- Blockchain Technology
- Intelligent Systems

RESEARCH PUBLICATION DETAILS

Selected Publications in Journals

1. **Syed Imtiaz Hassan**, "*United Nations Sustainable Development Goals and Responsibilities of Urdu University: An Approach*) Aqwam-e-Mutahedah ke Payedar Taraqqi Ehdaf aur Urdu University ki Zimmedariyan: Ek Nuqta-e-Nazar", 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، جلد ۸، شماره ۷، جولائی ۲۰۲۳ء، صفحات ۶۷-۷۳، ISSN. 2321-4627، یو جی سی سے منظور شدہ

2. **Syed Imtiyaz Hassan**, "(Mother Tongue Urdu: Yesterday, Today and Tomorrow: A Statistical Analysis) Maadri Zaban Urdu-Kal Aaj aur Kal: Ek Shumaryaati Tazjiya", 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/urdu-duniya> [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، جلد ۲۵، شماره ۵، مئی ۲۰۲۳ء، صفحات ۳۳-۳۵، ISSN. 2249-0639، یو جی سی سے منظور شدہ

3. Syeda Ulfath Banu, and and **Syed Imtiyaz Hassan**, "Intelligent Transport Systems for Vulnerable Transport Users: Use of Assistive Technology for Sustainable Development Goal Target 11.2", Grenze International Journal of Engineering and Technology, Volume 9, No 1, pp. 1582-1587, January 2023, ISSN 2395-5295. Through Conference: 14th International Conference on Advances in Computing, Control, and Telecommunication Technologies, Hyderabad, India, 02-03 Dec 2022. [Indexed in Scopus]
4. Batra, Piyush, Imran Hussain, Mohd A. Ahad, Gabriella Casalino, Mohammad A. Alam, Aqeel Khalique, and **Syed Imtiyaz Hassan**. 2022. "A Novel Memory and Time-Efficient ALPR System Based on YOLOv5" Sensors 22, no. 14: 5283. July 2022, ISSN: 1424-8220 <https://doi.org/10.3390/s22145283> [Indexed in Scopus & SCIE (IF: 3.84)]
5. Farooqi AM, Alam MA, **Syed Imtiyaz Hassan**, Idrees SM. A Fog Computing Model for VANET to Reduce Latency and Delay Using 5G Network in Smart City Transportation. Applied Sciences. February 2022; 12(4):2083. <https://doi.org/10.3390/app12042083>) [Indexed in Scopus & SCIE (IF: 2.8)]
6. **Syed Imtiyaz Hassan**, "(Hajj and Technology: A Perspective) Hajj aur Technology: Ek Zaviya-e-Nazar", Tahzibul Akhlaq, Aligarh Muslim University, vol. 41, issue. 1, Jan 2022, pp. 58-60, ISSN. 2348-2257 [Available on: URL] https://api.amu.ac.in/storage//file/10164/file_management/1643957138.pdf [Urdu, UGC Care]

ڈاکٹر سید امتیاز حسن، حج اور ٹیکنالوجی: ایک زاویہ نظر، تہذیب الاخلاق، علی گڑھ مسلم یونیورسٹی، جلد ۴۱، شماره ۱، جنوری ۲۰۲۲ء، صفحات ۵۸-۶۰، ISSN. 2348-2257، یو جی سی سے منظور شدہ

7. Shah Imran Alam, Ihtiram Raza Khan, **Syed Imtiyaz Hassan**, Farheen Siddiqui, M. Afshar Alam, and Anil Kumar Mahto, "Open Data Release and Privacy Concerns: Complexity in Mitigating Vulnerability with Controlled Perturbation", Spl issue Artificial Intelligence in Food Quality Improvement, Journal of Food Quality, Hindawi, Volume June 2021, Article ID 9929049, <https://doi.org/10.1155/2021/9929049> ISSN: 0146-9428 (Print), ISSN: 1745-4557 (Online) [Indexed in Scopus & SCIE (IF: 3.2)]
8. **Syed Imtiyaz Hassan**, Afreen Samad, Omair Ahmad and Afshar Alam, "Partitioning and hierarchical based clustering: a comparative empirical assessment on internal and external indices, accuracy, and time", International Journal of Information Technology, vol 12, issue 4, Springer

- Singapore, Print ISSN: 2511-2104, Online ISSN: 2511-2112, Nov 2019, <https://doi.org/10.1007/s41870-019-00406-7>) [*Indexed in Scopus*]
9. **Syed Imtiyaz Hassan**, "Extracting the sentiment score of customer review from unstructured big data using Map Reduce algorithm", International Journal of Database Theory and Application, vol. 9, issue 12, Dec 2016, pp. 289-298, doi: 10.14257/ijdta.2016.9.12.26, ISSN: 2005-4270. [*Indexed in Scopus*]

Selected Publications in Conference Proceedings

1. Khaleda Tabassum, **Syed Imtiyaz Hassan** (2023). A Systematic Review on Compatibility Requirements for Communication in Hetero-Multi Blockchain Systems. In: Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing. ICCIC 2022. Cognitive Science and Technology. Springer, Singapore. pp 281–289, EISSN: 2195-3996, ISSN: 2195-3988 https://doi.org/10.1007/978-981-99-2746-3_29 [*Indexed in Scopus*]
2. Majid Farooqi, M. Afshar Alam, **Syed Imtiyaz Hassan** and L. Ansari, "Approaches of Shared Smart Parking Model in Fog and Roadside Cloud Environment: A Detailed Survey", 6th International Conference on Communication and Electronics Systems (ICES), July 08-10, 2021, Coimbatre, India pp. 914-924, doi: 10.1109/ICES51350.2021.9489178. <https://ieeexplore.ieee.org/document/9489178> [*Indexed in Scopus*]
3. Tasleem Nizam and **Syed Imtiyaz Hassan**, "Exemplifying the Effects of Distance Metrics on Clustering Techniques: F-measure, Accuracy and Efficiency", 7th International Conference on Computing for Sustainable Global Development (INDIACom), 12-14 March 2020, Electronic ISBN:978-93-80544-38-0, DVD ISBN:978-93-80544-36-6, Print on Demand(PoD) ISBN:978-1-7281-2958-7, DOI: 10.23919/INDIACom49435.2020.9083687, <https://ieeexplore.ieee.org/document/9083687> [*Indexed in Scopus & WoS*]
4. Shah Imran Alam, **Syed Imtiyaz Hassan**, Ihtiram Raza Khan, M Afshar, Anil Kumar Mahto Alam, "Potential of open data in sustainable and open governance: A search for imperceptible barriers", The International Conference on ICT for Digital, Smart, and Sustainable Development (ICIDSSD'20), February 27-28, 2020, New Delhi, India, pp. 264-274, ISBN: 978-1-63190-292-5, ISSN: 2593-7642, DOI 10.4108/eai.27-2-2020.2303235, <https://eudl.eu/doi/10.4108/eai.27-2-2020.2303235> [*Indexed in EUDL*]
5. Abdul Majid Farooqi, **Syed Imtiyaz Hassan** and M.Afshar Alam, " Sustainability and Fog Computing: Applications, Advantages and Challenges", 2019 3rd International Conference On Computing And Communication Technologies (ICCCT), February 21-22, 2019, Chennai, ISBN:978-1-5386-9371-1. pp. 18-23, doi: 10.1109/ICCCT2.2019.8824983, ISBN:978-1-5386-9371-1. <https://ieeexplore.ieee.org/document/8824983> [*Indexed in Scopus*]
6. Shalini and **Syed Imtiyaz Hassan**, 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), Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, India, March 05– 07, 2014, , Indexed in IEEE Xplore Digital Library, DOI: 10.1109/IndiaCom.2014.682817, <https://ieeexplore.ieee.org/document/6828178> [*Indexed in Scopus*]

Publications in Books Chapters

1. **Syed Imtiyaz Hassan** and Parul Agarwal, "Analytical Approach to Sustainable Smart City using IoT and Machine Learning, Big Data", IoT, and Machine Learning, Tylor & Francis, 2020: 277-294
2. Agarwal, Parul, **Syed Imtiyaz Hassan** and Jawed Ahmed. "Intelligent Transportation System: A Complete Insight." IoT and Cloud Computing

Advancements in Vehicular Ad-Hoc Networks. IGI Global, 2020: 84-105 **[Indexed in Scopus]**

3. Agarwal, Parul, **Syed Imtiaz Hassan**, Syed Khalid Mustafa and Jawed Ahmad. "An Effective Diagnostic Model for Personalized Healthcare Using Deep Learning Techniques." Applications of Deep Learning and Big IoT on Personalized Healthcare Services. IGI Global, 2020: 70-88 **[Indexed in Scopus]**
4. Firdaus H., **Syed Imtiaz Hassan**. (2020) Unsupervised Learning on Healthcare Survey Data with Particle Swarm Optimization. In: Jain V., Chatterjee J. (eds) Machine Learning with Health Care Perspective. Learning and Analytics in Intelligent Systems, vol 13. Springer, Cham, March 2020, pp. 57-89, DOI https://doi.org/10.1007/978-3-030-40850-3_4
5. Anil Kumar Negi, **Syed Imtiaz Hassan**, Modeling Machine Learning Agent for Interaction Conversational System Using Max Entropy Approach in Natural Language Processing, Advances in Intelligent Systems and Computing, volume 1049, Springer, Singapore, Oct 2019, pp. 217-234. ISBN: 978-981-15-0132-6, <https://doi.org/10.1007/978-981-15-0132-6> International Conference on Computing, Power and Communication Technologies, GUCON 2019; September 27-28, 2019, Noida; Code 233699 **[Indexed in Scopus & WoS]**
6. Shah Imran Alam, Syed Imtiaz Hassan, Moin Uddin, "Fuzzy models and business intelligence in web-based applications", in Applications of Soft Computing for the Web, Springer Singapore, 2017, DOI: https://doi.org/10.1007/978-981-10-7098-3_12, Print ISBN: 978-981-10-7097-6, Electronic ISBN: 978-981-10-7098-3, pp. 193-221.

Publications as News Paper Articles

1. (*I Wish ... One More Chance*) Kaash ... Ek Mauqa Aur, Qaumi Tanzeem, Patna/Ranchi/Lucknow, 31.05.2022, Page: 6
https://qaumitanzeem.com/editions/patna-edition/archives/31_05_2022/epage-06.html
کاش... ایک موقع اور۔ قومی تنظیم۔ پٹنہ، رانچی، لکھنؤ۔ ۳۱ مارچ ۲۰۲۲ء۔ صفحہ ۶
2. (*National Nutrition Week: The Role of Technology in Ending Malnutrition*) Qaumi Hafta Ghazayiat: Naqis Ghazayiat ke Khatme me Zaryee Technology ka Kirdar, The Siasat Daily Hyderabad, Sunday Edition, 05.09.2021, Page: 8.
<https://www.readwhere.com/read/3218390#page/8/1>

قومی ہفتہ غذائیت: ناقص غذائیت کے خاتمے میں ذریعہ ٹیکنالوجی کا کردار۔ روزنامہ سیاست حیدرآباد۔ سٹے ایڈیشن۔ ۵ ستمبر

۲۰۲۱ء۔ صفحہ ۸

3. (*Teacher's Day: Tribute to the Greatest Teacher of My Life*) Teachers Day: Meri Zindagi ke Sbse Azeem Ustad ko Khiraj-e-Tahseen, The Munsif Daily Hyderabad, Supplement Nayee Manzilen Naye Qadam 11.09.2021, Page 2.
ٹچرس ڈے: میری زندگی کے سب سے عظیم استاد کو خراج تحسین۔ روزنامہ منصف حیدرآباد۔ نئی منزلیں نئے قدم۔

۱۱ ستمبر ۲۰۲۱ء۔ صفحہ ۲

DETAILS OF CONFERENCE/ SEMINAR/ WORKSHOP/ FDP

1. Successfully completed UGC sponsored online Workshop on **"Implementation of National Education Policy-2020"** organized by UGC - Human Resource Development Centre, Maulana Azad National Urdu University, Hyderabad from 9th to 14th May, 2022.

(ATTENDED/
PRESENTED)

2. Successfully completed the **Part 1 of the online UHV Refresher 1** FDP organized by All India Council for Technical Education (AICTE) from 7th February, 2022 to 11th February, 2022.
3. Successfully completed 5-day online FDP on “**Inculcating Universal Human Values in Technical Education**” organized by All India Council for Technical Education(AICTE) from 22nd November, 2021 to 26th November, 2021.
4. Participated in 40 hours Online FDP on **Data Science & Machine Learning**, (20thOctober – 30th October 2021), Organised by Electronics & ICT Academy, NIT, Warangal in association with Department of Computer Science and Information Technology, Maulana Azad National Urdu University, Hyderabad
5. Participated in the 4-days “**AICTE Examination Reform Workshop**”, Online, 15-18 April, 2020.
6. Successfully completed, “**Ten Day Faculty Induction Program (Gurudakshya)-2020**”, Maulana Azad National Urdu University, Hyderabad, 13 Nov – 18 Dec, 2020.
7. Two weeks Faculty Development Programme on “**Cloud Computing**”, organized by Department of Computer Sciences & Engineering, Jamia Hamdard in association with Etrain Education Pvt. Ltd. held on Januray 11-20, 2019 at Jamia Hamdard, New Delhi.
8. Three weeks Refresher Course in “**Computational & Mathematical Studies (Computer Science, Mathematics & Statistics)**” at the UGC-Human Resource Development Centre, Jamia Millia Islamia (Central University), New Delhi held from 29.08.2018 to 19.09.2018.
9. Two weeks Faculty Development Programme on “**Data Analytics**”, organized by Department of Computer Sciences & Engineering, Jamia Hamdard in association with Micoth Lab held on Januray 08-21, 2018 at Jamia Hamdard, New Delhi.
10. Two days Annual Teacher’s Convention (FDP) on “**Entrepreneurship Awareness & Culture**”, organized by Department of Computer Sciences & Engineering, Jamia Hamdard in association with Indian Society of Technical Education held on November 27-28, 2017 at Jamia Hamdard, New Delhi.
11. One month UGC **Orientation Program** (98th) from September 30, 2011 to November 01, 2011 at Jamia Millia Islamia, New Delhi.
12. Three weeks UGC sponsored **Refresher Course** in Mathematical Science from November 24, 2014 to December 13, 2014 at Centre for Professional Development in Higher Education, University of Delhi.

DETAILS OF
KEYNOTE
SPEAKER/RESOURCE
PERSON/ SESSION
CHAIR ETC.

Expert Lectures/Talk Delivered/Keynote Speaker

1. **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.
2. **Invited Talk: World Creativity and Innovation Day** (April 21, 2023)
At Institute Innovation Council, Maulana Azad National Urdu University Hyderabad.
[Available Online]: <https://www.youtube.com/watch?v=VMDTuZypCDk>
3. **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.
4. **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.

5. *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.
6. *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.
7. *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.
8. *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.
9. *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. [Available Online]: <https://www.youtube.com/watch?v=WvvornKZaBA>
10. *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>
11. *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>
12. *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.
13. *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.
14. *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.
15. *Invited Talk: **Emerging Technologies and Public Administrations*** (April 24, 2022)
In Silver Jubilee Celebrations, Department of Public Administration, MANUU, April 24, 2022.

16. *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.
17. *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.
18. *Introduction: **India's freedom struggle** (March 12, 2021)*
In *Azadi Ka Amrut Mahotsav*, 75 years of India's Independence, MANUU, [Available Online]: <https://www.youtube.com/watch?v=AY2O48WIqsE>
19. ***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.

**DETAILS OF
SUPERVISION
(M.TECH/P.HD.)**

PHD SUPERVISIONS

1. **Mitigating Anonymity Barrier in Structured Open Data: A Framework Based Approach**
Year of Award: **2022** (March 31, 2022)
Student Name: Shah Imran Alam,
Department of Computer Science & Engineering, School of Engineering Sciences & Technology, Jamia Hamdard (Deemed to be University), Hamdard Nagar, New Delhi.
Supervisor Name(s): Dr. Ihtiram Raza Khan, Dr. Syed Imtiyaz Hassan, Dr. Farheen Siddiqui
2. **Innovation of Fog Computing Model for Smart City Sustainable Development**
Year of Award: **2022** (Nov 02, 2022)
Student Name: Abdul Majid farooqi (Enrolment Number: 2013-525-001),
Department of Computer Science & Engineering, School of Engineering Sciences & Technology, Jamia Hamdard (Deemed to be University), Hamdard Nagar, New Delhi.
Supervisor Name(s): Prof. M Afshar Alam, Dr. Syed Imtiyaz Hassan
3. **A Multi-layered Blockchain based Sharing Framework of Open Data for Agricultural Sustainability**
Year of Award: **Ongoing**
Student Name: Muhammad Ali. K.P(Enrolment Number:A191479/19PHCS00 4HY)
Department of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University, Hyderabad.
Supervisor Name(s): Dr. Syed Imtiyaz Hassan
4. **Framework for Communication in Heterogeneous Blockchain Systems**
Year of Award: **Ongoing**
Student Name: Khalida Tabassum (Enrolment Number: A212584/21PHCSF02HY),
Department of Computer Science and Information Technology, School of Technology, Maulana Azad National Urdu University, Hyderabad.
Supervisor Name(s): Dr. Syed Imtiyaz Hassan

5. Privacy Protection Model for Smart Contract in Blockchain using Machine Learning

Year of Award: **Ongoing**

Student Name: Haseeba Yaseen (Enrolment Number: A212587/21PHCSF05HY),
Department of Computer Science and Information Technology, School of
Technology, Maulana Azad National Urdu University, Hyderabad.
Supervisor Name(s): Dr. Syed Imtiyaz Hassan

6. A Multi-Strategy Machine Learning Model for Medical Diagnostics

Year of Award: **Ongoing**

Student Name: Nayeem Ahmed (Enrolment Number: A212586/21PHCSF04HY),
Department of Computer Science and Information Technology, School of
Technology, Maulana Azad National Urdu University, Hyderabad.
Supervisor Name(s): Dr. Syed Imtiyaz Hassan, Dr. Md Zair Hussain (Co-
Supervisor)

7. A Precision Medicine Prediction Model for Drug-Drug Adverse Effects Using AI

Year of Award: **Ongoing**

Student Name: Mujiburahman Bahawi(Enrolment Number:A222078/22PHCS005HY)
Department of Computer Science and Information Technology, School of
Technology, Maulana Azad National Urdu University, Hyderabad.
Supervisor Name(s): Dr. Syed Imtiyaz Hassan

M. TECH. SUPERVISIONS

1. Hospital readmission prediction for diabetes patients using machine learning, Master of Technology (CS), 2022-23, Md Ashique Hussain, Department of CS&IT, Maulana Azad National Urdu University, Hyderabad.
2. Classification of brain tumor disease using deep learning, Master of Technology (CS), 2022-23, Aqeel Haider Shams, Department of CS&IT, Maulana Azad National Urdu University, Hyderabad.
3. Crop recommendation model using machine learning in smart farming, Master of Technology (CS), 2021-22, Md. Tanweer Alam, Department of CS&IT, Maulana Azad National Urdu University, Hyderabad.
4. Interconnected medical devices and their security aspects, Master of Technology (ISCF), 2018-19, Anurag Panwar, Department of CSE, Jamia Hamdard, New Delhi.
5. A machine learning approach to real time forecasting of IoT device failure, Master of Technology (CSE-PT), 2018-19, Ranjana Singh, Department of CSE, Jamia Hamdard, New Delhi.
6. A machine learning approach in care of patients suffering with chronic diseases, Master of Technology (CSE), 2018-19, Nairul Islam, , Department of CSE, Jamia Hamdard, New Delhi.
7. Unsupervised learning on health survey data with particle swarm optimization, Master of Technology (CSE), 2017-18, Hina Firdaus, , Department of CSE, Jamia Hamdard, New Delhi.
8. Towards development of a hybrid geo fencing algorithm for indoor tracking in smart University, Master of Technology (CSE), 2017-18, Sana Iqbal, Department of CSE, Jamia Hamdard, New Delhi.
9. Machine learning agent for extracting semantic meaning of natural language text, Master of Technology (CSE-PT), 2017-18, Anil Kumar Negi, Department of CSE, Jamia Hamdard, New Delhi.

10. Amalgamation of nature inspired honey bee mating optimization algorithm with metaheuristic greedy random adaptive procedure to resolve scheduling problem in the real world, Master of Technology (CSE-PT), 2017-18, Insha, Department of CSE, Jamia Hamdard, New Delhi.
11. A neoteric methodology of collating k-means with hierarchical algorithm, Master of Technology (CSE), 2016-17, Afreen Samad, , Department of CSE, Jamia Hamdard, New Delhi.
12. Comparative assay of clustering algorithm, Master of Technology (CSE), 2016-17, Tasleem Nizam, , Department of CSE, Jamia Hamdard, New Delhi.
13. Artificial intelligence in preventing cyber assault, Master of Technology (ISCF), 2016-17, Amaan Anwar, Department of CSE, Jamia Hamdard, New Delhi.
14. A novel framework for e-transaction authentication and data security using iris scanner, Master of Technology (ISCF), 2016-17, Sanower Irshad, , Department of CSE, Jamia Hamdard, New Delhi.
15. Enhancing the classification accuracy of noisy dataset by fusing correlation based feature selection with k-nearest neighbor, Master of Technology (CSE-PT), 2016-17, Samir Kumar Singha, Department of CSE, Jamia Hamdard, New Delhi.
16. Deep learning based handwritten digit recognition, Master of Technology (CSE-PT), 2016-17, Baby Kahkeshan, Department of CSE, Jamia Hamdard, New Delhi.
17. Machine learning based system for modern day stress recognition, Master of Technology (CSE-PT), 2016-17, Naba Suroor, Department of CSE, Jamia Hamdard, New Delhi.
18. Detection and removal of duplicates & near duplicates in data repository, Master of Technology (CSE-PT), 2016-17, Shailesh Singh, Department of CSE, Jamia Hamdard, New Delhi.
19. Geographically distributed tier merging strategies for intercloud and hybrid cloud, Master of Technology (CSE-PT), 2016-17, Vinit Kumar Dhull, Department of CSE, Jamia Hamdard, New Delhi.
20. Using friendship evaluation to minimize travel time for meeting prioritized friends, Master of Technology (CS) , 2015-16, Gurpreet Singh, Department of CS, Jamia Hamdard, New Delhi.
21. Design and implementation of mass authentication using inbuilt finger print scanner in smart phone, Master of Technology (CS), 2015-16, Pushpendra Singh Rawat, Department of CS, Jamia Hamdard, New Delhi.
22. Spying of smart phones using cellular infrastructure, M. Tech. (ISCF), 2015-16, Sheikh Riyaz ul Haq, Department of CSE, Jamia Hamdard, New Delhi.
23. Vulnerability in services of android branchless banking: a comparative experiment, M. Tech. (ISCF), 2015-16, Harsh Gupta, Department of CSE, Jamia Hamdard, New Delhi.
24. Effect of SOLID design principles on quality of software: An experimental evaluation, Master of Technology (CS), 2014-15, Harmeet Singh, Department of CSE, Jamia Hamdard, New Delhi.
25. A machine learning solution to opining mining and sentiment analysis of text, Master of Technology (CS) , 2014-15, Nimrita Koul, Department of CSE, Jamia Hamdard, New Delhi.
26. Software test data generation for data flow testing criteria using particle swarm optimization, Master of Technology (CS), 2014-15, Rabins Porwal, Department of CSE, Jamia Hamdard, New Delhi.

27. Empirical assessment of web application navigation design through finite state machine, Master of Technology (CS), 2013-14, Arvind Kumar Pandey, Department of CSE, Jamia Hamdard, New Delhi.
28. Fault detection techniques for component based software engineering, Master of Technology (CS), 2013-14, Munesh Kumar, Department of CSE, Jamia Hamdard, New Delhi.
29. Architecting thick client Model-View-Controller (MVC) for web application, Master of Technology (CS), 2012-13, Nitesh Kumar, Department of CSE, Jamia Hamdard, New Delhi.
30. Aspectization of cross-cutting concerns in a smart phone application, Master of Technology (CS), 2012-13, Shalini, Department of CSE, Jamia Hamdard, New Delhi.
31. Malware reverse engineering using dynamic and static analysis tools, Master of Technology (CS), 2012-13, Leenu Singh, Department of CSE, Jamia Hamdard, New Delhi.
32. Data deduplication to NOSQL database in cloud environment, Master of Technology (CS), 2012-13, Deepak Garg, Department of CSE, Jamia Hamdard, New Delhi.
33. Modeling of channel based call admission control scheme for converged network, Master of Technology (CS) , 2011-12, Ashish Sharma, , Department of CSE, Jamia Hamdard, New Delhi.
34. Location based fuzzy hybrid recommender system, Master of Technology (CS), 2011-12, Chandra Shekhar, , Department of CSE, Jamia Hamdard, New Delhi.
35. Page ranking algorithm based number of link visits: an implementation, Master of Technology (CS), 2011-12, Mahesh Singh, , Department of CSE, Jamia Hamdard, New Delhi.
36. Analysis of security and privacy issues in Radio-frequency identification (RFID) based system, Master of Technology (CS), 2011-12, Md. Onais Ahmad, Department of CSE, Jamia Hamdard, New Delhi.
37. A methodology for forensic investigation of a cloud, Master of Technology (CS), 2011-12, Megha Gupta, Department of CSE, Jamia Hamdard, New Delhi.
38. An approach to represent transactional database and to generate association rules, Master of Technology (CS), 2011-12, Mithlesh Kumar, Department of CSE, Jamia Hamdard, New Delhi.

PROFESSIONAL MEMBERSHIPS

- Life Member of Indian Society for Technical Education (ISTE), India.
- Computer Science Teachers Association (CSTA), New York, U.S.A.
- International Association of Scientific Computer Science and Information Technology (IACSIT), Singapore.
- Science and Engineering Institute-SCIEI, Kowloon, Hong Kong.
- International Association of Engineers (IAENG), Hong Kong.
- Springer Scientific Business Media, Berlin, Germany.
- The Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, Belgium.
- Computer Society of India.
- Association of Computer Electronics and Electrical Engineers (ACEEE), Cochin, India.
- The Society of Digital Information and Wireless Communications (SDIWC)

PERSONAL DETAILS

Father's Name : Mr. S. R. Hassan
Gender : Male
Marital Status : Married
Nationality : Indian
Language Known : English, Hindi, Urdu

Dr. Syed Imtiyaz Hassan

Date: March 15, 2024

Place: Hyderabad, Telangana, India