

## Curriculum Vitae

### Personal Particulars

**Name:** Dr. Quamrul Hassan,  
**Professor (14+ years), Chartered Engineer [India]**  
Department of Civil Engineering  
Faculty of Engineering & Technology,  
Jamia Millia Islamia, New Delhi  
Mobile: 011-26985227, 80100 69209  
Email: [qhassan@jmi.ac.in](mailto:qhassan@jmi.ac.in), [qhassan66@gmail.com](mailto:qhassan66@gmail.com)



- ✚ **Coordinator, 360° Feedback, Faculty of Engineering & Technology**
- ✚ **Convener, Institutional Innovation Council (IIC)-JMI**

**Major research area** : Water Resources Engineering

**Areas of interest:** Water Resources Planning & Management, Sustainable Development and Environmental Engineering, System Dynamics, GIS, Project Management, Educational planning & development, Quality Assurance and Accreditation.

**Academics:** *Throughout first class with distinction/Honours*

- (a) Ph.D. Indian Institute of Technology Delhi (**IIT Delhi**), CGPA 10/10 (course work), 2005
  - (b) M.E. (Civil) University of Roorkee, (**IIT Roorkee**), First with Honours (81.6%), 1992
  - (c) B.E.(Civil) MN-REC, Allahabad ( **MN-NIT Allahabad**), First with Honours (77.8%), 1989
  - (d) Intermediate **Science College Patna**, BIEC, First with Distinction in Chemistry & Mathematics (Mathematics Paper I: 99/100; Paper II: 100/100), (73.4%), 1984
  - (e) SS Examination High School Narkatiaganj, BSEB Patna, First (81.6%), 1982
- ✚ GATE Score: 97.64 percentile

**Ph.D. Thesis:** "Study of Some Aspects of Sustainable Development of India's Water"

### Professional Experience

- **Professor**, Department of Civil Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia (JMI), New Delhi, 2007 - onwards.
- **Associate Professor (Reader)**, Department of Civil Engineering, Faculty of Engineering & Technology, JMI New Delhi, 1998 - 2007.

- **Assistant Professor (Lecturer)**, Department of Civil Engineering, Faculty of Engineering & Technology, JMI New Delhi, 1993 - 1998.
- *Institute Research Scholar*, Department of Applied Mechanics, Indian Institute of Technology (IIT), New Delhi, 1992 - 1993.

**Foreign Assignment:**

- **Professor**, Department of Civil Engineering, College of Engineering, Taibah University, Al-Madinah Al-Munawarah, MoHE, KSA (on leave from JMI)
- *Department of Civil Engineering*, College of Engineering (formerly part of King Saud University), Majma'ah University, MoHE, KSA, (on leave from JMI)
- ✚ **Selected for the post of Director**, All India Council for Technical Education (**AICTE**), New Delhi (2006)

**Some Citations of Research Works**

1. [Govt, experts spar over water stats-India-The Times of India](http://timesofindia.indiatimes.com/India/Govt_experts_spar_over_water_stats/articleshow/3194906.cms),  
Times of India, New Delhi, July 4, 2008  
([http://timesofindia.indiatimes.com/India/Govt\\_experts\\_spar\\_over\\_water\\_stats/articleshow/3194906.cms](http://timesofindia.indiatimes.com/India/Govt_experts_spar_over_water_stats/articleshow/3194906.cms))  
Link for the reply to the comments on paper published in Current Science is  
[www.ias.ac.in/currsci/jun252008/1553.pdf](http://www.ias.ac.in/currsci/jun252008/1553.pdf)
2. ['Govt overestimated water availability'-India-The Times of India](http://timesofindia.indiatimes.com/India/Govt_overestimated_water_availability/articleshow/2493862.cms)  
Times of India, New Delhi, October 27, 2008  
[http://timesofindia.indiatimes.com/India/Govt\\_overestimated\\_water\\_availability/articleshow/2493862.cms](http://timesofindia.indiatimes.com/India/Govt_overestimated_water_availability/articleshow/2493862.cms)  
Link for the paper "Alarming scarcity of water in India" published in Current Science is  
[www.ias.ac.in/currsci/oct102007/932.pdf](http://www.ias.ac.in/currsci/oct102007/932.pdf)

**Ph.D. Thesis Supervision (awarded = 02, and ongoing = 06)**

- (i) H. P. Singh (2013) - "Development of a framework for sustainable irrigation and water supply systems in a region of Himachal Pradesh", (**awarded**).
- (ii) M.S. Rao (2014) - "GIS and Remote Sensing based Approach for Sustainable Water Resources Management", (**awarded**).
- (iii) Sara Khan (2018, continued) – Assessment of Seasonal Variation of air pollution scenario and to develop strategies and action plan for environmental sustainability (Continued)
- (iv) Mohd Izharuddin Ansari (2020, continued) -

- (v) Nadeem Ahmad (2021, continued) – “Development of an integrated flood management approach: comparing Kosi river and Adyar river basins”
- (vi) Samreen Fatima (2021 continued) – “Performance evaluation of Decentralized wastewater treatment systems”
- (vii) Gauri Sundarrao Panse (2021, continued) – “Sustainable Drought Management for Marathwada Region under Climate Change”

### **Research & Development**

- ✚ “Study Tour of Atal Tunnel under the AICTE Youth Undertaking Visit for Acquiring Knowledge (Yuvak)” Scheme, (Grant sanctioned from AICTE Rs 1.70 lakh, 2021)
- ✚ “*Strengthening of infrastructure*” scheme of UGC for the Department of Civil Engineering, Jamia Millia Islamia, New Delhi (Rs 20 lakhs).
- ✚ A study on “*Sustainable Water Resources Management of Ganga-Brahmaputra-Meghana Basin*” sponsored by AICTE, New Delhi (Rs 14 lakhs)
- ✚ System Dynamics based model INDIAWATER under M Visualisation & Simulation Environment was developed for sustainable development of India's Water Resources.
- ✚ Vetting of design of thickness of MS pipe for RC Bansal Construction Pvt Ltd.
- ✚ *Consultant of various projects of Delhi Irrigation and Flood Control Department.*
- ✚ *Consultancy work on Drainage networks of urban centre and other consultancy work in the area of water resources, environmental engineering & Civil engineering projects*
- ✚ *"Geophysical Investigation for Assessment of Water Resources Potential of an Area in NCR Region.*
- ✚ Field studies on "Monitoring of Environmental Indicators for Delhi-Gurgaon Expressway", New Delhi.

### **Referee/Member of International Journals**

- (i) International Journal of Hydrology Science and Technology, INDERSCIENCE Publisher.
- (ii) Environmental Nanotechnology, Monitoring & Management (ELSEVIER)
- (iii) Journal of Water Resources Engineering and Management (JoWREM), STM Journals.
- (iv) Journal of Engineering and Applied Sciences (JEAS)
- (v) Member, Editorial Board, Journal of Ecology and Natural Resources (JENR)

### **Planning and Development – Major Contributions**

- (i) **Convener**, Institutional Innovation Council (**IIC**), Jamia Millia Islamia (2021-)
- (ii) **Team Leader** of “Study Tour of Atal Tunnel under the AICTE Youth Undertaking Visit for Acquiring Knowledge (Yuvak)” Scheme, (Grant approved Rs 1.70 lakh, 2021)

- (iii) **Nodal Officer of CED for NAAC-2020** (Responsible for coordinating and preparing the report of Civil Engineering Department for National Assessment and Accreditation Council (NAAC).
- (iv) **Track Chair, Sustainability and Natural Resources**, International Conference on **“Smart Cities: Opportunities and Challenges”** 14-16 March -2019.
- (v) **Coordinator, Quality Assurance and Accreditation Committee** of CED, Taibah university (2015-2018), KSA (developed the BSCE program as per NCAAA and ABET requirements)
- (vi) **Coordinator, Water Resource Engineering Lab Committee**, Taibah University (2015-2018), KSA (Conceptualized, planned and established WRE Lab)
- (vii) Member, Program and Study Plan Committee of CED, Taibah University (2015-2018)
- (viii) Member, Quality and Accreditation Unit of College of Engineering, Taibah University, (2015-2018)
- (ix) Member, Strategic Plan Committee of CoE, Taibah University (2015-2018)
- (x) Member, Students counseling Unit and Faculty Advisor of students (2015-2018)
- (xi) Member, Water Research Group , (Water exploration, water risk management, water informatics groups), Taibah University (2016-2018)
- (xii) Coordinator, National Conference on Water Resource Management - Achievements & Challenges(**WRM - A&C 2014**), 22nd March 2014, JMI New Delhi
- (xiii) **I have the privilege to be part of NBA evaluators along with Washington Accord Team. Subsequently India became member of Washington Accord.**
- (xiv) Member, Advisory Committee, 2nd World Summit on Accreditation (**WOSA 2014**) - International Recognition of Educational Qualification, [www.nba-wosa.in](http://www.nba-wosa.in), 8-12 March 2014, (National Board of Accreditation, Government of India)
- (xv) Member, Program Committee, 2nd World Summit on Accreditation (**WOSA 2014**) - International Recognition of Educational Qualification, [www.nba-wosa.in](http://www.nba-wosa.in), 8-12 March 2014, (National Board of Accreditation, Government of India)
- (xvi) As **Head, Department of Accreditation, Quality Centre**, College of Engineering, Majmaah University, KSA, set out the action plan and initiated the process for **NCAAA and ABET Accreditation** that includes course specification, course report, program specification, program report etc and Academic Audit as well (2010-11).
- (xvii) Prepared **Appraisal Report of Tenth Five Year Plan** (2002-2007) and Requirements for Eleventh Five year Plan (2007-2012) of the Faculty of Engg& Technology, JMI, for submission to University Grants Commission (UGC), New Delhi
- (xviii) **Conceptualized, Planned and coordinated the “Strengthening of infrastructure”** scheme of UGC for the Department of Civil Engineering, JamiaMilliaIslamia, New Delhi. Proposal to strengthen the infrastructure of the Department was submitted to UGC. An amount of *Rs 20 lakhs was sanctioned by the UGC* in June 2009, for the

proposed project. As part of this scheme - all classrooms were fully modernized and **new CAD lab** was setup.












- (xix) Planned and prepared the proposal of **M. Tech. in Water Resources Engineering**. The proposal was approved by statutory body of the University (JMI) and by AICTE (2007). Submitted to the UGC for financial support and faculty positions.
- (xx) **Established state-of-Art CAD laboratory of the Department**. As *In-charge of CAD laboratory*, conceptualized and prepared a detailed proposal for setting up a new CAD laboratory of the Department at JMI equipped with modern facilities. The project was successfully executed.
- (xxi) Proposal for setting up "**GIS and Remote Sensing Laboratory**", Majmaah University, KSA (2010-11) – approved by the university and it is being setup.
- (xxii) Submitted a proposal of "**Centre for Environment and Sustainable Development (CESD) - Potential for Excellence**", Majmaah University, KSA (2010-11) – in principle approved by the university.
- (xxiii) Proposal for establishing a "Chair for Water Resources Management (**CWRM**)", Majmaah University, KSA (2010-11) –approved by the university (in principle).
- (xxiv) Established "**Friends of Environment Club**", Majmaah University, KSA (2010-11) and organized several activities. Winners of the contest were acknowledged at the annual college function by awarding them with certificates and prizes.
- (xxv) I took the responsibility in getting **JMI issued its PAN card and Import-Export license** (renewal), **and GPS import license** from competent authorities (2002).
- (xxvi) **Convener, Office Secretariat of "75<sup>th</sup> Year Celebrations of Jamia Millia Islamia"**, (1995-1996), New Delhi.

#### **Special/ Keynote Lectures Delivered**

- (i) Keynote Speaker on "**Sustainable Development and Urbanization**", International Seminar on "Application of Reliability and Risk Analysis to Civil Engineering and beyond", January 23, 2019, Department of Civil Engineering, JMI New Delhi
- (ii) Delivered an invited talk on "**Sustainable Development - An Indian Perspective**", *National Seminar on "Sustainable Development with Ecological Balance", Institution of Civil Engineers (India), 15th September 2013, New Delhi*

- (iii) Delivered a **Special Talk** on "**Civil Engineering in a Transforming World – Indian Perspective**", in the Department of Civil Engineering, JMI, New Delhi, August 2011.
- (iv) Delivered a series of **Special Lectures** to the Professional Engineers of UP Irrigation Department at WALMI New Delhi on "**Weir and Barrage**", May 2009.
- (v) Delivered a series of **Special Lectures** to the Professional Engineers of UP Irrigation Department at WALMI New Delhi on "**Canal Fall**", May 2009.
- (vi) Delivered **Special Lectures** to the Professional Engineers of UP Irrigation Department at WALMI New Delhi on "**Cross Drainage Works**", June 2009.

#### **Supervision of UG Projects (Partial)**

-  Urban Flooding and its Management in an Area of Delhi
-  Design of Water Intake Structure for a Thermal Power Plant
-  Hydraulic Design of Culvert
-  Design of Hydraulic Structure for a Hydropower Project
-  Assessment of Water Resources Potential of an Area in NCT Delhi Region
-  Construction Management - A Case Study (New Girl's Hostel, JMI)
-  Construction Project Management - A Case Study (Residential Coaching Academy)
-  Prediction of Dispersion Coefficient using ANN
-  Prediction of Pollutant Diffusion using ANN
-  Study of Water Resources of a Hydrological Unit using GIS
-  Development of Integrated Database for Yamuna River basin using GIS

#### **Academic Distinction - Awards & Fellowships Received**

- (i) DHA-Geneva/JICA/ADPC-AIT fellowship at AIT-Bangkok for training program "Seismic Hazards Mitigation".
- (ii) QIP fellowship(Ph.D.) of Ministry of Human Resource Development, GOI.
- (iii) GATE Fellowship (M.Tech.) Ministry of Human Resource Development, GOI.
- (iv) MNREC-Merit Scholarship (B.E.)
- (v) Merit Scholarship (Intermediate)
- (vi) National Rural Merit Scholarship (High school)

#### **Membership of Professional Societies**

- (i) Chartered Engineer[India]
- (ii) Fellow, Institution of Engineers (India)
- (iii) Life member of Indian Society for Technical Education (ISTE), Delhi

- (iv) Life member of Indian Water Resources Society (IWRS), Roorkee, India
- (v) Founder Member and Secretary of Indian Society of Environmental Management (ISEM) (an NGO) New Delhi

### **Publications**

**Book:** Khan, I.H. and Hassan, Q. (1997) “Numerical Methods for Engineers & Scientists”, Galgotia Publishers Pvt. Ltd New Delhi

### **Papers:**

Ahmad N and **Hassan Q.** (2021) An Engineered and Sustainable Solution for Flood and Sediment Management in Kosi River, India., Journal of Ecology & Natural Resources 2021, 5(4): 000258, DOI: [10.23880/jenr-16000258](https://doi.org/10.23880/jenr-16000258)

Khan, S. and **Hassan, Q.** (2021) Review of developments in air quality modelling and air quality dispersion models. Journal of Environmental Engineering and Science, 16(1), pp 1-10 <https://doi.org/10.1680/jenes.20.00004>.

Ansari M.I., **Hassan, Q.**, Thakural L.N., Alam, M. and Ahmed S.,(2021) “Spatio Temporal Analysis of Rainfall Variability for Districts of NCT Delhi, The Journal of Oriental Research Madras, Vol. XCII-XLIV, pp 28-48.

Kumar, V., **Hassan, Q.** and Husain, A. (2020) “A Review of Construction and Demolition Waste Management in Delhi I”, *National Conference on Developments in Renewable Energy & Future Trends in Mechanical Engineering (DREFT-2020)*, pp. 146-151

Ansari, M.I, Thakural L. N., **Hassan Q.**, Shahana (2020) Sustainable Protection Strategies for River Bank Erosion Using Submerged Vanes, IJARESM, Volume 8, Issue 8, ISSN: 2455-6211

Imam, A. and **Hassan, Q.** (2019) Geophysical Investigation for Ground Water Potential of an Area in Delhi NCR., Jordan Journal of Civil Engineering, Vol. 13, No. 2, pp 361-376.

Sarah Khan and **Q. Hassan** (2019) Air quality scenario of world’s most polluted city Kanpur: A Case Study, in S. Ahmed et al. (eds.), Smart Cities—Opportunities and Challenges, Lecture Notes in Civil Engineering 58, Springer Nature Singapore Pte Ltd. Pp. 693-708. [https://doi.org/10.1007/978-981-15-2545-2\\_57](https://doi.org/10.1007/978-981-15-2545-2_57)

Rao, M.S. and **Hassan, Q.** (2016) Optimization Based Approach for Land, Water and Human Resources Management: A Comparative Study, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 5, Issue 8, pp15361-15368

Rao, M.S., **Hassan, Q.** and Ahsan, N. (2015) Customized Optimal Saline Resistant Cropping Policy: A Case Study, *International Journal of Research in Engineering & Technology (IMPACT: IJRET)*, Vol. 3, Issue 5, pp 1-8

- Rao, M.S., **Hassan, Q.** and Ahsan, N. (2014) Impact of Environmental Concerns in Evolving Optimal Water Management Policies for Nuh Region, Haryana, India, *National Conference on Water Resources Management Achievement & Challenges (WR-A&C 2014)*, 22nd March 2014, JMI New Delhi, pp 3-9.
- Singh H.P, **Hassan Q**, Ahsan N. and Sharma M.R (2014) Operation and Management of Lift Irrigation Project using SCADA in a Hilly Region of Himachal Pradesh - A Case Study, *National Conference on Water Resources Management Achievement & Challenges(WR - A&C 2014)*, 22nd March 2014, JMI New Delhi, pp 84-91.
- Singh H.P, **Hassan Q**,Ahsan N. and Sharma M.R (2014) Developing a Framework for Sustainable Drinking Water Supply and Irrigation Projects in Shivalik Area of Himachal Pradesh, *International Journal of Emerging Technologies*, 5(1):46-53, ISSN: 2249-3255.
- Hassan, Q.** (2013) Sustainable Development - An Indian Perspective, *National Seminar on "Sustainable Development with Ecological Balance"*, Institution of Civil Engineers (India), 15th September 2013, New Delhi, pp.44-52
- Rao, M.S., **Hassan, Q.** and Ahsan, N. (2013) Management of Water Resources in Evolving Sustainable Agriculture Planning Policies for Nuh Region, Haryana, India, *International Journal of Environmental Research and Development (IJERD)*, ISSN 2249-3131, Vol. 3. No. 7, pp. 26-29
- Rao, M.S., Ahsan, N. and **Hassan, Q.** (2013) Application of Optimization Modelling in Sustainable Agricultural and Water Resources Planning: A case study, *International Journal of Civil Structural, Environmental and Infrastructure Engineering Research and Development (IJCSEIERD)*, ISSN 2249-6866, 3(1), pp . 31-39
- Rao, M.S., Ahsan, N. and **Hassan, Q.** (2013) Optimization of Land and Water Resources for Optimal Cropping Pattern: A Case study, *International Humboldt Kolleg on Management of Water, Energy and Bio-resources in Changing Climate Regime: Emerging Issues and Environmental Challenges*, 8-9 February 2013, JNU Delhi.
- Singh H.P, Sharma M.R, **Hassan Q**, and Ahsan N.(2013) Performance Evaluation of Irrigation Projects - A Case Study of Lift Irrigation Scheme SirsaManjholi in Sloan Area of ShivalikHimalyas, *Asian Journal of Adv. Basic Sci*: 1(1), 79-86, ISSN: 2347-4114.
- Rao, M.S., Ahsan, N. and **Hassan, Q.** (2012) Sustainable Management of Water Resources: A Conceptual Approach, *International Journal of Environmental Engineering and Management*, 3(5), (Special Issue), pp. 347-350.
- Singh H.P, Sharma M.R, **Hassan Q**, and Ahsan N. (2011) Narrowing the Demand and Supply Gap through Rooftop Rainwater Harvesting-A case study of Kutlehararea, Shivalik Hills of Lower Himalayas, *International Journal on Emerging Technologies*, 2(1) pp103-108.
- Singh H.P, Sharma M.R, **Hassan Q**, and Ahsan N. (2010) Case Study: Retrospect and Prospect of Water Supply to Simla (Himachal Pradesh), *Urban India*, 30(1), pp 150-161.



- Singh H.P, Sharma M.R, **Hassan Q**, and Ahsan N. (2010) Sustainability of Traditional Drinking Water Sources in Himachal Pradesh, *Journal of Nature Environment and Pollution Technology*, 9(3), pp587-592
- Singh, H.P., Sharma, M.R., **Hassan, Q.**, Ahsan, N. (2010), Impact of Drought on Drinking Water Resources of Himachal Pradesh, *Biological Forum – An International Journal*, 2(1): 73 -77.
- Singh H.P, Sharma M.R, **Hassan Q**, and Ahsan N. (2010) Potential of Rainwater Harvesting in Himachal Pradesh, *Journal of Nature Environment and Pollution Technology*, 9(4), pp 837-842.
- Khan, N.U. and **Hassan, Q.** (2009) GIS and its applications – an emerging field, *Invertis Journal of Science and Technology*, 2(3), pp.190-195.
- Garg, N.K. and **Hassan, Q.** (2008) Reply to the comments on 'Alarming scarcity of water in India', *Current Science*, 94(12), pp 1553-1554.
- Rao, M.S., Ahsan, N. and **Hassan, Q.** (2008) Review of GIS applications in hydrology and watershed modeling, in Proceedings of *Environmental Management in Mining & Allied Industries(EMMA)* by Karmakar, N.C., Jamal A. and Jain A.K. (ed.), IT-BHU Varansi.
- Garg, N.K. and **Hassan, Q.** (2007) Alarming scarcity of water in India, *Current Science*, Vol. 93(7), pp 932-941.
- Hassan, Q.** and Garg, N.K. (2007) Systems approach for water resources development, *Global Journal of Flexible Systems Management*, 8(4), pp29-43.
- Hassan, Q.** and Ahsan, N. (2007) Integration of spatial technologies and systems approach for disaster management, *National Conference on Geotechnical and Structural Aspects of Earthquake Engineering, GSEE'07, New Delhi*, pp205-215.
- Ahsan, N. and **Hassan, Q.** (2007) An appraisal of urban water supply systems in India, *Proceedings National Conference on Environmental Pollution and Health: Problems and Solutions, 19-20 April 2007, New Delhi*, pp124-128.
- Hassan, Q.** and Garg, N.K. (2002) Management of water resources – an integrated perspective, in Devi, R. & Ahsan, N (Ed.) *Water and Wastewater: Perspectives of Developing Countries, Water and Environment Management Series, International Water Association Publishing, U.K.* pp 41-49.
- Hassan, Q.** and N.K. Garg (1999) Some issues related to sustainable development of India's waters", *Proceedings of International Conference on Environmental Challenges for the New Millennium, ECNM 25-27 November, New Delhi, India* pp74-81.
- Hassan, Q.** (1996) Cities at Risk, *ISEM Bulletin*, pp 16-18 New Delhi.
- Hassan, Q.** (1995) Seismic hazards mitigation, *ISEM Bulletin*, pp17-19, New Delhi.
- Hassan, Q.** (1994) Seismic hazards mitigation and IDNDR activities in India. *DHA-Geneva/JICA/ADPC-AIT training program on "Seismic Hazards Mitigation" at Asian Institute of Technology Bangkok, Thailand.*

**Hassan, Q.** (1992) Comparison of prediction methods for concentration distribution of conservative pollutants. *Seminar paper presented in the Department of Civil Engineering, UOR, Roorkee, U.P.*

**Courses Taught (PG)**

- Experimental Design and Data Analysis (M.Tech. Environment Science & Engineering)
- Computational Methods and Software Application (M.Tech. Earthquake Engineering)
- Business Research and Data Analysis (PG Diploma in Innovation and Entrepreneurship)
- Reliability Based Design of Structures (M.Tech. Earthquake Engineering)
- Water Treatment Process (M.Tech. Environment Science & Engineering)

**Courses Taught (UG)**

- Hydraulics
- Fluid Mechanics
- Irrigation Engineering
- Structural Analysis I
- Estimating and Costing
- Numerical Analysis and Computer Programming
- Introduction to Engineering Design
- Geographical Information Systems (Elective)
- Hydrology
- Water Resources Engineering
- Engineering Mechanics - Statics
- Computer Programming C++
- Math (Differential Calculus)

**Dissertation**

- (i) A Study of Some Aspects of Sustainable Development of India's Waters (Ph.D.)
- (ii) Diffusion Characteristics of Rectangular Open Channels (M.E. Dissertation)

**Computer skills**

Languages: Python, FORTRAN, C, C++, M Visualisation & Simulation Environment

Softwares: MS Office, MATLAB, ANN Tool, Vensim, Dynamo, GIS Arc Info, GPS Pathfinder, 1X1D, RES2DINV, ABEM Terrameter SAS4000/ 1000, Primevera.

**Membership of Authorities and Bodies of Universities/ Institutions:-**

- (i) Member Coordinator NAAC for Peer Team Visit for NAAC Accreditation
- (ii) NBA Expert Evaluator for Accreditation of Programs in Engineering (Outcome Based)
- (iii) AICTE Expert Member for Accreditation
- (iv) AICTE Expert for J & K Scholarship Scheme 2013

- (v) Member of Selection Committees of other Universities and Commissions
- (vi) Member of Curriculum Development Group of B.S. in Civil Engineering, Majmaah University, KSA. (2010-2012)
- (vii) Head, Accreditation Unit of Quality Centre, College of Engineering, Majmah University
- (viii) Member, Academic Council, Jamia Millia Islamia, New Delhi (2003-2006)
- (ix) Member, **Prospectus Committee** of Faculty of Engg& Technology, 2004-2009.
- (x) Member, Departmental Research Committee of Civil Engineering.
- (xi) Member, **Faculty Committee**, Faculty of Engg& Technology, JMI (2007 onwards)
- (xii) **Students Advisor**, B. Tech (Civil) Students for the sessions 2004-10
- (xiii) Member, Admission Committee (2008-10), M.Sc. Electronics
- (xiv) Member, Admission Committee (2006), M.Tech (Environmental Science & Engg.)
- (xv) **Program Officer** National Service Scheme (**NSS**) from the session 2002-2006.

#### **Professional Training Program attended**

- NAAC webinar on NEP for Northern Region, organized by NAAC on 12<sup>th</sup> November 2021
- AICTE “**Online Orientation Training Program for Mentors**” organized from 21-25<sup>th</sup> June 2021 under National Initiative for Technical Teachers Training by NITTR Chandigarh
- Webinar on “Student Support satisfaction and progression”, 19<sup>th</sup> May 2021, organized by NAAC Bangalore
- International webinar “Quality Issues in Higher Education: Nepal’s Journey to QAA”, 19<sup>th</sup> May 2021 organized by NAAC Bangalore
- Online NAAC-Quality Assurance, Accreditation and Assessment in higher Education, (N Cyprus), 7<sup>th</sup> April 2021, organized by NAAC, Bangalore
- Upanyasa Malika : Lecture series 9 (Webinar) - Academic and Administrative Audit and SWOC Analysis in Higher Education as Quality Indicators, 1<sup>st</sup> April 2021 organized by NAAC, Bangalore
- Online International Accreditation by AHPGS - Standards, Criteria and Procedures, on 30<sup>th</sup> March 2021, organized by NAAC Bangalore
- Online Assessors Training session regarding Peer Team Visit guidelines, 18<sup>th</sup> March 2021, organized by NAAC Bangalore
- Upanyasa Malika : Lecture series 6 (Webinar) - Conceptual Clarifications and Operationalization of the Criteria for NAAC Assessment and Accreditation, 12<sup>th</sup> March 2021 organized by NAAC, Bangalore

- FDP “Python Programming Language”, Department of Computer Engineering, JMI and Spoken Tutorial, IIT Bombay (31<sup>st</sup> August 2020 to 4<sup>th</sup> September 2020) and also received Certificate of appreciation for successfully qualifying the online Quiz on Python Programming Language.
- Online Faculty Development Program 6-7 April 2020, organized by JMI
- Expert Training Workshop by AICTE, 27<sup>th</sup> February 2020, organized by AICTE New Delhi
- NAAC Assessor’s Orientation Program (AOP), 19<sup>th</sup> March 2019, Delhi, organized by NAAC
- "Further Education Leadership Development Program", UKIERI-AICTE Workshop I (Leadership and Management), at NTTTR Chandigarh, 30 April - 2 May 2014.
- "Further Education Leadership Development Program", UKIERI-AICTE Workshop II (Improving Institutional Performance), at NTTTR Chandigarh, 19-21 May 2014.
- Orientation and Training Workshop on "Outcome Based Education and Accreditation for Chairpersons and Evaluators", **National Board of Accreditation (NBA)** Delhi, at NMIMS Bangalore, 7-8 September 2013
- Workshop on “Reconstruction and Rehabilitation of Disaster Affected Areas”, 19-21 February 2003, organized by National Centre of Disaster Management, IIPA Delhi
- GIS Training Program on “Introduction to GIS”, 8-12 April 2002, organized by ESRI India
- DHA-Geneva/JICA/ADPC-AIT training program on “Seismic Hazards Mitigation”, AIT Bangkok 1994

#### **Contributions to the Corporate Life of the University**

- **Convener**, Institution Innovation Council (IIC) of JMI (March 2021-)
- **Coordinator, 360<sup>o</sup> Feedback**, Faculty of Engineering & Technology, JMI (Nov. 2021-)
- **Central Assistant Public Information Officer (CAPIO)**, Jamia Millia Islamia, New Delhi, March 2013 to November 2014.
- Incharge, CAD laboratory, Department of Civil Engineering, JMI New Delhi (2013-14)
- AICTE Expert for J & K Scholarship Scheme 2013
- Centre Superintendent, B.Tech and Diploma Entrance Examination 2013
- Centre Superintendent, M. Tech (CIS) Entrance Examination 2012
- Incharge, Summer Training Program of UG students of CED 2007-2010, 2012-14
- Coordinated and prepared the **NAAC report** of the Department of Civil Engineering, JamiaMilliaIslamia, New Delhi (2012).
- Member of Curriculum Development Group of B.S. in Civil Engineering, Majmaah University, KSA. (2010-2012)

- **Prepared the proposal** for alteration / shifting of the various laboratories of the Department as well as renovation work in the office of the Department. Different components of proposal are at various stages of execution.
- **Coordinated and prepared** the report for Administrative and Academic Reforms for Strengthening of Higher Education of MHRD (*AARSHE for Faculty of Engineering & Technology*).
- Lead the delegation of students to FACHHOCHSCHULE ERFURT, University of Applied Sciences, **Erfurt, Germany**, during 19-29 October 2007 under Academic exchange program.
- Coordinated the Control Room for Faculty of Engg. & Technology Entrance Examination (for B.Tech., Diploma and other courses) in 2004 and implemented several initiatives.
- Prepared the proposal for requirements (infrastructure and human resources) of Faculty of Engineering & Technology with regard to implementation of 27 percent reservation of OBCs in the University.
- Member, **Prospectus Committee** of Faculty of Engg& Technology, 2004-2009.
- AICTE Expert Committee Member of National Board of Accreditation (**NBA**).
- **Member** (2003-2006) of “**Academic Council**” of the University (JMI)
- Member, Departmental Research Committee of Civil Engineering.
- Member, **Faculty Committee**, Faculty of Engg& Technology, JMI (2007 onwards)
- Member of the various Committees of the Department related to AICTE/UGC schemes, Curriculum development and upgradation, etc.
- **Students Advisor**, B. Tech (Civil) Students for the sessions 2004-10
- Member, Admission Committee (2008-10), M.Sc. Electronics
- Member, Admission Committee (2006), M.Tech (Environmental Science & Engg.)
- National Service Scheme (**NSS**) **Program Officer** from the session 2002-2006.
- **Superintendent** for B. Tech. Entrance Examination of JMI for **out-station centers** (Lucknow, Srinagar, and Patna) in the years 2003, 2004, 2005.
- Incharge of Hydraulics Laboratory of Civil Engg Department.
- Member of team, which voluntarily carried out field survey of MujeebBagh, one of the residential Campuses of the University, and prepared layout, as well as plan for future development.

#### **Conference & Workshop organized**

- Member, Local Organizing Committee, CECAR 9 (2022) “Sustainable Design and Eco Technologies for Infrastructure”, by The Asian Civil Engineering Coordinating Council, 21-23 September 2022, Goa , India.

- National Advisory Board Member “2<sup>nd</sup> International Conference on Advances in Applied Sciences, Engineering & Technology”, AASET-2021, May 20-21, 2021, Organized by K.R. Mangalam University Gurugram.
- **Convener**, E-Symposium on “**National Innovation & Start-up Policy for HEI’S as A Foundation Path Towards Atma Nirbhar BHARAT**”, organized by Centre for Innovation and Entrepreneurship Jamia Millia Islamia, New Delhi on 30<sup>th</sup> January 2021
- **Convener**, **National Webinar** on “**Challenges and Opportunities in Polar Research**”, organized by JMI in collaboration with Psychophysiology Laboratory, IIT Bombay, 10<sup>th</sup> December 2020
- **Chaired, Technical Session**, “Indo Iranian Workshop on Water Resources Management” 27-29 October 2020, jointly organized by Ferdowsi University of Mashhad and JMI, New Delhi 110025
- **Track In-charge** International Conference SMART Cities Opportunities & Challenges 14-16 March 2019
- Member, **Advisory Committee**, International Seminar on “Application of Reliability and Risk Analysis to Civil Engineering and Beyond”, 23<sup>rd</sup> January 2019, Organized by Department of Civil Engineering, JMI, New Delhi 110025
- Member, **Advisory Committee**, 2nd World Summit on Accreditation WOSA-2014, New Delhi 8-12 March 2014
- Member, **Organizing Committee**, One day National workshop on Seismic Assessment and Safety of Structures (SASS'12), March 2012, New Delhi
- Member, **Organizing Committee**, National Conference on Geotechnical and Structural Aspects of Earthquake Engineering, GSEE'07, August 4-5, 2007, Delhi
- Member, Organizing Committee, National Conference on “Advances in Mechanical Engineering”, January 20-21, 2006, New Delhi.
- Convener of Committees of National Conference on “Management of Higher Education: 21<sup>st</sup> Century Challenges” February 9, 2002, New Delhi
- Member, Organizing Committee of Workshop “IT for All”, New Delhi (2000).
- Member, Organizing Committee, International Conference on “Environmental Challenges for the New Millennium ECNM, 25-27 November 1999, New Delhi.
- Member of Organizing Committee of Workshop on “Remote Sensing in Environmental Management”, 1997, New Delhi
- Member, Steering Committee of International Conference on “New Challenges for Civil Engineers of Developing Countries in 21<sup>st</sup> Century” (NCCDC96), 1996, New Delhi

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Quamrul Hassan