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Administrative Positions

July, 2016 Onward	Dean, Faculty of Engineering & Technology Jamia Millia Islamia, New Delhi-110025
August, 2010 –July.2013	Head, Department of Civil Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, Jamia Nagar, New Delhi 110025, India
August, 2000 onwards	Professor, Department of Civil Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, Jamia Nagar, New Delhi 110025, India
August 1996 to August 2000	Reader (selection grade), Department of Civil Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, Jamia Nagar, New Delhi, 110025, India
August 1992 to January 1996	Reader, Department of Civil Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, Jamia Nagar, New Delhi 110025, India
November 1991 to August 1992	Senior Lecturer, Department of Civil Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, Jamia Nagar, New Delhi 110025, India
November 1985 to November 1991	Lecturer, Department of Civil Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, Jamia Nagar, New Delhi 110025, India

Educational Qualifications

1999	Ph. D.*	IIT Delhi, INDIA
1990	M. Tech.	IIT Delhi, INDIA
1985	B. Sc. Engng. (Civil)	AMU Aligarh, UP, INDIA

* Ph. D. topic: "QUASI-STATIC AND DROP HAMMER LOADING OF PLAIN AND SKIN REINFORCED CONCRETE PLATES"

Fellowship & Membership

- Life Member ISET (Indian Society of Earthquake Technology), IIT Roorkee, India
- Life Member ISTE (Indian Society of Technical Education), India
- Member, Building Committee, Jamia Millia Islamia, 2007-2009
- Life Member Ferro cement Society of India

Service on University and Department Committees

1. Member, syllabus revision committee of B. Tech. (Civil) as per AICTE norms, 2001-2005,
2. Member of the Technical committee for "Special Repairs to TTI building", JMI, 1999,

3. Member of the Technical committee "Strength Assessment" of burnt NCC office near administrative block, JMI, 2000,
4. Warden, SRK Boys' Hostel, Jamia Millia Islamia, 1992-1993,
5. Senior Warden, SRK Boys' Hostel, Jamia Millia Islamia, 1993-1995,
6. University Proctor, Jamia Millia Islamia, July 2000-December 2004,
7. Chairman Technical Committee, Building and Construction Department, Jamia Millia Islamia, 2004-2007,
8. Professor Incharge, Building and Construction Department, Jamia Millia Islamia, 2007-2009,
9. Coordinator M. Tech. Earthquake Engg. Programme.

Service on Committees & Academic Pursuance (Outside Jamia)

1. Member of the expert committee of All India Council for Technical Education (AICTE) for granting approval to different B.Tech. and M. Tech. Courses and accreditation of Engineering Colleges.
2. External examiner for Ph. D. theses and M. Tech. dissertations.
3. Advisor to SSC and UPSCO

Contribution to department of Civil Engineering

1. Established the Strength of Material Laboratory in 1986.
2. Established the Structural Mechanics Laboratory in 1986.
3. Established the Concrete Laboratory in 1986.
4. Established Structural Dynamics Laboratory, 2012.

Teaching Experience

Taught the following courses at UG & PG level

Theory

1. Elements of Civil Engineering
2. Structural Analysis I
3. Structural Analysis II
4. Design of Concrete Structures I
5. Advance Structural Design
6. Advance Structural Analysis
7. Advance foundation Engineering
8. Finite Element Method
9. Earthquake Resident Design of Structure

Laboratory

1. Strength of Material Laboratory
2. Structural Mechanics Laboratory
3. Concrete Laboratory
4. Structural Dynamics Laboratory

Projects Supervised

(M.Tech.)

1. Analysis of Salinity Hazard in Parts of Delhi
2. A Study on Recycle and Reuse of Demolished Concrete Waste
3. Recycle of Demolished High strength Concrete Waste
4. Analysis of Twelve Storey Symmetric Building with mass and Stiffness Irregularity
5. Seismic Analysis and Design of Silos employed in Power Plants and Cement Plant using Indian Code
6. Comparison of Seismic Provisions in Different Codes

(B.Tech.)

1. Design of Multi-storey R.C.C. Frame Building – 1986
2. Design of R.C.C. Tee Beam Bridge of 20 m span - 1987
3. Design of four storied R.C.C. Hostel Building -1988.
4. Design of four storied engineering college Building -1989.
5. Design of R.C.C. Nullah for IRC loadings -1990.

6. Design of an R.C.C. hospital building -1991.
7. Design of a Through Type steel Truss Bridge on river Ganges near Dev-Prayag (U.P.) -1993.
8. Planning and Design of Boys Hostel - 1994.
9. Structural Design of a Four Storey Building -1995.
10. Design of Sub-structure of Lattice Girder Bridge in Gangetic Plane - 1995
11. Structural Design of 20 Storey office Complex - 1996
12. Planning and Designing of Multi-storey Commercial Building.1997
13. Planning and Designing of A 15 storey office Building. - 1998
14. Effect of certain additives & Curing Environment on the strength of cement Mortar - 1999
15. Design of 20 Storey commercial Complex using STAADPRO - 2000
16. Structural Design of Intze Tank -2001
17. Structural Design of Multi-storey building using STAAD -2002.
18. Design of Twenty Storey shear walled structure -2004
19. Design of Twenty Storey Shear Walled Earthquake Resistant structure -2005
20. Structural Design of Multi-storey building using STAAD -2006
21. Comparative study on common Design practices and actual behaviour of structure 2008
22. Comparative Design study of 10 Storey Residential Building (with and without infill Walls) -2009
23. Seismic Design of Multi-storey (G+5) School Building - 2010
24. An Experimental study on use of Hypo Sludge, Lime Sludge and Fly Ash in Cement Concrete - 2011

Research Experience

Major Area: Structures, Impact Mechanics and Recycling of demolished Concrete Waste, Skin Reinforce Concrete, Earthquake Disaster and Crisis management

Ph. D. SUPERVISION

1. "Study of Earthquake Disaster and its Crisis Management Operation in Esfahan, Central Iran, Using Remote Sensing and GIS Application", Awarded
2. "Improvement of Flexural and Shear Capacity of Beam using, Fiber Reinforced Polymer" Awarded
3. "Seismic Response and Stability Analysis of Articulated Tower", Awarded,
4. "Dynamic and Reliability Analysis of a Double Pendulum Articulated Tower", Awarded
5. "Seismic and Wind Loading Response on Various Support Options of Cooling Tower"- Awarded
6. "Study on Water Treatment Sludge Reuse-options and Opportunities"- Awarded
7. "Behaviour of a Structure Under Second Episode of Earthquake"
8. "Performance Based Retrofitting of Damage Steel Frame in the Part Earthquake"

Consultancy Experience

1. Structural designing of multi-storey Load Bearing Residential Structures, Industrial Structures, Hospitals and RCC bridges
2. Vetting the Structural designing of multi-storey structures, Industrial structures, Airports, Hospitals and RCC Bridges.

Projects

1. "Design of Mix using dismantled Concrete" with an approximate cost of Rs. 19.67 Lac.

International/National Conferences/Symposia Organised

1. An International Conference on "New Challenges for Civil Engineers of Developing Countries in the 21st Century -NCCDC 96", Feb. 29, March 1-2,1996, Department of Civil Engineering
2. A Seminar on "Science & Technology -21st Century Challenges", March 21, 1998.
3. An International Conference on "Industrial and Applied Mathematics" 4-6 December, 2004
4. A Seminar on "Seismic Assessment and Safety of structures" 13 March-2011

Conferences/Symposia Attended

- 1 Course on "Seismic Analysis and Design of Tall Buildings" from 22.6.1987 to 05.6.1987 in the Deptt. of Earthquake Engineering, University of Roorkee
- 2 Lecture series on "Impact Mechanics" organized by Applied Mechanics Deptt at IIT Delhi, December 1990.
- 3 Workshop on "Design on Finite Element Method" from 13.11.1991 to 15.11.1991 at Civil Engg. Deptt. IIT Delhi.
- 4 International Conference on "New Challenges for Civil Engineers of Developing Countries in the 21st Century (NCCDC-96)" held at Jamia Millia Islamia, Jamia Nagar New Delhi during Feb 29-March 1&2, 1996.
- 5 Training Workshop On "Seismic Design Of Shear Wall Building" 25.6.2004 conducted by UNDP Disaster Management Programme Government of India
- 6 Six weeks training module on "Seismic Risk Management of Structures" organized by Deptt of Civil Engg through Industrial Research and Development at IIT Delhi under NPCBEERM.

Bibliography

1. Mehtab Alam and I. H. Khan (1986) -'How best can one estimate the load carrying capacity of piles which support offshore structures" Indian Geotechnical 179-182.
2. Mehtab Alam and N. K. Gupta (1999) -'Perforation of Thin Sheet by a Cylindro-conical Penetrator', Proceedings of 11th ISME Conference, IIT Delhi, New Delhi 3-5 February
3. Mehtab Alam and Sirajuddin Ahmad (1999) -Impact of treated waste water on cement concrete International Conference on Environmental Challenges for the New Millennium, New Delhi Nov 25-27, 2000.
4. Mehtab Alam and N. K. Gupta (2004) -'Nonlinear Response of Concrete Beams and Plates under Impact Loading" International Journal of Impact Engineering 30 (2004) 1039-1053
5. Mehtab Alam and Amir Mehmoodzadeh (2008) -'Geo-information Development in Earthquake Study" A case study in Isfahan, Iran, 1-2 December, 2008, GiT4NDm second International Conference-AIT, Bangkok, Thailand.
6. Mehtab Alam and Amir Mehmoodzadeh (2008) -'Integration of Geo-information Technology and Survey Analysis for Development in Mitigation Study against Earthquake, Disaster Advances Journal, Volume 1, No. 2, Page 20-26.
7. Mehtab Alam and Amir Mehmoodzadeh (2009) -'The Role of GIT for Mapping and a Developed Algorithm for Rapid Evaluation of Buildings for Earthquake Management, ISG Conference, August 10-11, Kuala Lumpur, Malaysia
8. Mehtab Alam and Amir Mehmoodzadeh (2009) - 'A method of Rapid Evaluation of Masonry Buildings against Earthquake, Disaster Advances Journal, Volume 2(3), page 15-23.
9. Mehtab Alam and Amir Mehmoodzadeh (2008) -'Handbook-Seismic Disaster and Management Elm Afarin Publication, Isfahan, Iran
10. Mehtab Alam and Amir Mehmoodzadeh (2010) -'Isfahan Crisis Management, MRSS 6th International Remote Sensing and GIS Conference, 228-29 April, Kuala Lumpur Malaysia.

11. Mehtab Alam and Amir Mehmoodzadeh (2010) -'Urban Crisis Management with GIS Technique for Environmental Management, Aug. 10, JMI New Delhi
12. Mehtab Alam and Jabbar Ahmed (2010) -'Recycle and Reuse of Demolished Waste", Proceedings of the International Conference on Environmental Sustainability with Green Building Technology, (ICESGBT'2010) MSE College Chennai, India, 15-17 March, pp 198-202
13. Mehtab Alam and Shankar Singh (2011) – 'W aste Management Strategies for Concrete', National Conference on Energy Trend on Mechanical Engineering, Greater Noida
14. Mehtab Alam, Moazzam Aslam, Nazrul Islam, and Mohd Moonis Zaheer (2012) -'Dynamic Response, and Reliability Analysis of Articulated Joint', Proceedings of 3rd Asian Conference on Mechanics of Functional Materials, Dec. 5-8- 2012, IIT Delhi
15. Mehtab Alam, Akil Ahmad and Asif Husain, (2013)-'Investigation of Structural Defects and Renovation of A RC Residential Building', International Journal of Chemical, Environmental & Biological Sciences (IJCEBS) Volume1, Issue 2 (2013).
16. Mehtab Alam, Akil Ahmad, and Asif Husain (2013)-'Retrofitting of Historical Masonry Building', International Conference on Advances in Engineering and Technology, ICAET- 2013
17. Mehtab Alam, Akil Ahmad, and Asif Husain, (2013)-'Investigation of Structural Failure of a R C Hotel Under Construction', 2nd International Conference on Civil and Transportation System ICCTS'13), May 8-9-2013, Penang (Malaysia).
18. Mehtab Alam, and Faris JawadUriayer, (2013)-'Steel- CFRP Composite (CFRP Laminate Sand witched between Mild Steel Strips) and Its Behaviour as Stirrup in Beams', World Academy of Science, Engineering and Technology 73 2013.
19. Mehtab Alam, Moazzam Aslam, Nazrul Islam and Mohd Moonis Zaheer, (2013)-'Comparative Response of Double Hinged ALP Using Airy's And Stoke's Wave Theories', International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 5, May 2013.
20. Mehtab Alam, Moazzam Aslam, Nazrul Islam and Mohd Moonis Zaheer, (2013)-'Behaviour of Double loading Platform Under Ocean Current', International Journal of Innovative Research in Science, Engineering and Technology, Vol. 2, Issue 6, June 2013
21. Mehtab Alam, Gaurav Singh, Besh Baha, and Mohammad Nasim Sahar, (2013)-'Acceptability of Demolished Concrete Waste in Making High Strength Self Compacting Concrete', International Journal of Civil Engineering (IJCE), Vol. 2, Issue3, July, 2013, 1-12
22. Mehtab Alam, Faris A. Uriayer (2013)-'Mechanical properties of steel-CFRP composite specimen under uniaxial tension', Steel and composite structures, Vol.15, No.6, Septembre, 2013, 659-677.
23. Mehtab Alam, Prashant Atreya, Nazrul Islam, Syed Danish Hassan, (2013)- 'Application of phase plots for dynamic stability analysis of compliant offshore structures', International journal of engineering and innovative technology (IJEIT), Vol. 3, Issue 4, October 2013
24. Mehtab Alam, Prashant Atreya, Nazrul Islam, Syed Danish Hassan, (2013)- 'Dynamic stability of compliant off shore structures- A case study of single hinged articulated tower', International journal of innovative research in science, Vol. 2, Issue 11, November 2013
25. Mehtab Alam, Faris A. Uriayer (2013)-'Capacity enhancement of steel by compositing with carbon fibre reinforce polymer', Proc Indian Natn Sci Acad 79, No.4, S December, 2013, 17-823
26. Mehtab Alam, Prashant Atreya, Nazrul Islam, Syed Danish Hassan, (2013)- 'Seismic response and stability analysis of single hinged articulated tower', Open journal of civil engineering, December 2013, 234-241.
27. Mehtab Alam and Faris A. Uriayer (2013)-'Capacity Enhancement of Steel by Compositing with Carbon Fibre Reinforced Polymer', Proc. of Indian National Science Academy, Vol.79 No.4 (2013), Part A, 817-823, ISSN: 0370-0046, India
28. Mehtab Alam and Esmaeil Asadzadeh (2014)- 'C⁰ - Continuity Isoparametric Formulation using Trigonometric Displacement Functions for One Dimensional Element's, Global Journal of Researches in Engineering': E, Civil And Structural Engineering, Volume 14 Issue 1 Version 1.0, (2014), 27-37, ISSN: 0975-5861(print), 2249-4596 (online), USA

29. Mehtab Alam, Esmail Asadzadeh, and Sahebal Asadzadeh, (2014)-'Dynamic response of layered hyperbolic cooling tower considering the effects of support inclinations", Structural Engineering and Mechanics, Vol. 50, No.6 (2014), 797-816, ISSN: 1225-4568 (Print), 1598-6217 (Online).
30. T. Ahmad, K. Ahmad, Mehtab Alam (2016) - Sustainable management of water treatment sludge through 3 'R' concept", 124 (2016) 1-13, ELSEVIER.
31. Tarique Ahmad, Kafeel Ahmad, Abdul Ahad, Mehtab Alam (2016)- Characterization of water treatment sludge and its reuse as coagulant", 182 (2016) 606-611, ELSEVIER.
32. T. Ahmad, K. Ahmad, Mehtab Alam (2016)- Characterization of Water Treatment Plant's Sludge and its Safe Disposal Options", 35 (2016) 950-955, ELSEVIER.
33. Tarique Ahmad, Kafeel Ahmad, Mehtab Alam (2017) - Sludge quantification at water treatment plant and its management scenario", (2017) 189:453 DOI 10.1007/s10661-017-6166-1, Published online: 15 August 2017, Springer.
34. Tarique Ahmad, Kafeel Ahmad, Mehtab Alam (2018) - Investigating calcined filter backwash solids as supplementary cementitious material for recycling in construction practices", 175 (2018) 664-671, ELSEVIER.
35. Tarique Ahmad, Kafeel Ahmad, Mehtab Alam (2018) - Characterization and constructive utilization of sludge produced in clari-flocculation unit of water treatment plant", 5 (2018) 035511, IOP Publishing, Published: 14 March 2018.