

Dr. MOHAMMED ISHTIYAQUE (CV)

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Academic Credentials

Degree	Specialization	Institution	University	Year	%
Ph.D.	(Civil-Structure)	Govt. College of Engineering, Aurangabad	Dr B.A.M. U. Aurangabad	2018	Awarded
M.E.	(Civil-Structure)	Govt. College of Engineering, Aurangabad	Dr B.A.M. U. Aurangabad	2003	60.43%
B.E.	(Civil)	Govt. College of Engineering, Aurangabad	Dr B.A.M. U. Aurangabad	1998	63.00%

Career Highlights

PRESENTLY WORKING AS :

- ✓ **Assistant Professor**, Department of Civil Engineering, Maharashtra Institute of Technology, Aurangabad
- ✓ Associated with MIT since 2005 with **twenty three** years of teaching experience & four years field experience and twelve years research experience.
- ✓ **Recognized Ph.D. Research Guide** in Civil Engineering, under the faculty of Science & Technology in Dr B.A.M. University, Aurangabad.
- ✓ **Recognized P.G. teacher** in Civil Engineering, under the faculty of Engineering & Technology in Dr B.A.M. University, Aurangabad.
- ✓ **Approved Under Graduate teacher** in Civil Engineering, under the faculty of Engineering & Technology in Dr B.A.M. University, Aurangabad since 2009.
- ✓ Four years **industrial experience** in various organizations

Overall Teaching Experience

- ✓ **Twenty seven years** of overall experience
- ✓ **Twenty three years** of teaching experience in various institutes and **twenty years** association with **MIT** in teaching profession since 2005 including six years research experience.
- ✓ **Four years** field experience

Research Project

- ✓ **Ph.D. Research:** on 'Fracture properties of concrete reinforced with mixed/hybrid fibres' under guidance of Dr. M.G. Shaikh, Professor, Govt. college of Engineering, Aurangabad.
- ✓ **M. Tech. Project:** on 'An experimental investigation for development of strengths of HPC using silica fume and steel fibers individually and in composite' under guidance of Dr. Damgir.

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Patent

1. Granted '**Certificate of Registration of Patent (Design)**' for designing a contactless displacement measuring device for structural members. Certificate No: 107186, Design No.: 352785-001, Date of Issue: 08/11/2021
2. Granted '**Certificate of Registration of Patent (Design)**' for 'Double Layer Mesh Cover for Iron Column'. Certificate No: 172221, Design No.: 413455-001, Date of Issue: 13/04/24

Membership of Professional Bodies

- ✓ Life Member of **Indian Society for Technical Education** (LM-55838)
- ✓ Life Member of **Indian Geotechnical Society** (LM-4636)

Sponsored Research/ Consultancy work

- ✓ Rs. 1.45 lakhs sanctioned under **Seed Grant of TEQIP-II** for completion of my research work under Ph.D program
- ✓ Performed consultancy work related to material testing and concrete mix design at department level

Current Research Areas

- ✓ Fracture Mechanics of Fiber Reinforced Concrete, Concrete Technology, Smart and Innovative Materials

Project Guided

- ✓ Guided 23 P.G. Students in structural Engineering since 2012 till date

Computer/Software Proficiency

- ✓ STAAD PRO
- ✓ Auto CAD
- ✓ MS Office

STTP/FDP/Industrial Training/Seminar/Workshop/Conference Organized

- ✓ Organized two days workshop on "Concrete Technology" for engineers of BETON Pvt. Ltd, Aurangabad in 2005
- ✓ Organized technical Event ,Techno-Blitz-2018 for first year Engineering students
- ✓ Organized technical Event ,Techno-Blitz-2019 for first year Engineering students
- ✓ Organized one week Induction Program for newly admitted first year Engineering students in year 2017 and 2019
- ✓ Organized Inter-college technical Quiz to update the knowledge of under graduate Civil Engineering students in 2019
- ✓ Organized two days workshop on "Research Methodology and data analysis Techniques" in 2019

STTP/FDP/Industrial Training/Seminar/Workshop/Conference Attended

Sr. No.	Details of Short Term Programs	Duration	Venue of STTP
1	Revision of syllabus of Civil Engineering	One day	Civil Engineering Dept., JNECA
2	Intellectual property and patent lifecycle management(IPPLM-2012) under CEP in association with Inrex ITes Pune	One day	Civil Engineering Dept., GECA
3	FERROCRETE:DESIGN AND CONSTRUCTION under TEQIP - 2 Project conducted by Ferro cement Society, Pune	One day	Applied Mechanics Dept., GECA
4	LIMIT STATE DESIGN OF STEEL STRUCTURES (LSDSS-2013) organized by Indian Society of Structural Engineers	Four days	MIT Aurangabad
5	Finite Element Methods & Applications in Civil Engineering under CE &QIP	One week	IIT Mumbai
6	'Introduction to Structural Engineering' conducted by IIT, Kharagpur	Two weeks	Remote Center: MIT Aurangabad
7	Webinar on Testing of deep foundation	One day	MIT Aurangabad
8	Webinar on Non-destructive testing of concrete	One day	MIT Aurangabad
9	Workshop on Examination Reforms	Two days	MIT Aurangabad
10	Workshop on Concrete Mix Design	One day	MIT Aurangabad
11	Assessment of learning outcomes in OBE	One day	MIT Aurangabad

Contributions at MIT, Aurangabad**Academic:**

- ✓ Associated with MIT since 2005 with **twenty years** of teaching experience in the institute.
- ✓ **Recognized PhD. Research Guide** in Civil Engineering under the faculty of Science & Technology in Dr B.A.M. University, Aurangabad.
- ✓ **P.G. Guide** for Structural Engineering (guided 23 students till date)
- ✓ **Recognized Post Graduate Teacher** in Civil Engineering since 2014
- ✓ **Approved Under-Graduate Teacher** in Civil Engineering since 2009

Subjects taught

- ✓ Engineering Mechanics
- ✓ Elements of Civil Engineering/BCE & BCD
- ✓ Strength of Materials and theory of structures
- ✓ Concrete Technology
- ✓ Design of RCC Structures-II
- ✓ DOS-III
- ✓ Pre-stressed Concrete (Elective)
- ✓ Earthquake Engineering (Elective)
- ✓ TDS-I, II, IV of Architecture

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- ✓ Advanced Structures (Elective)
- ✓ Professional Practice
- ✓ Advanced Limit State Design—P.G. level
- ✓ Design of tall Buildings (Elective)—PG level
- ✓ N.M, IAP,TEP,ACT—P.G. level

Other duties and portfolios handled

- ✓ Appointed as member of '**Research Recognition committee for grant of research center to Govt. Engineering College**, Chh. Sambhajinagar in 2025.
- ✓ Appointed as **VC Nominee** and external examiner for **Pre-Ph.D synopsis** of Ph.D Students at Govt. Engineering College, Chh. Sambhajinagar and MGM's JNEC college in 2024 and 2025.
- ✓ Appointed as **Chairman, Vigilance Squad** of Dr. B.A.M. University November /December 2016 Examinations of Arts, Science, Commerce, BCA stream for rural area centers of Ambad, Ghanswangi, Tirthpuri and Ankushnagar of Jalna district.
- ✓ Worked as **Chief Superintendent** (3 times) for Nov. /December-2010 and May/June-2014, December 2023 theory Examination of Dr.BAM University Aurangabad.
- ✓ Worked as '**Senior Supervisor**' for May /June-2019 theory Examination of Dr. B.AT University, Lonere.
- ✓ Appointed as '**External Senior Supervisor**' for July-2023 theory Examination of pharmacy at **Yashodeep Institute of pharmacy**, Beed road, Aurangabad of Dr. B.AT University,Lonere.
- ✓ Worked as member of '**Academic Audit Committee**' for verification of TW, MSE, TA/CIE etc marks of other departments in 2023 and 2024.
- ✓ Worked as chairperson of '**Audit for furniture and fixtures**' for verification of existing furniture and fixtures in various departments of the institute in 2022.
- ✓ Appointed as member of '**Scrutiny Committee for UGC Interviews**' in 2011.
- ✓ Worked as member of '**Internal squad for Engineering, MCA and Architecture Examination**' of Dr. B.A.M.University, May/June 2015.
- ✓ Worked as member of '**Central Term work Scrutiny Committee**'.
- ✓ Worked as member of '**Academic Monitoring Committee**' for regular academic monitoring during the academic sessions in the institute campus.
- ✓ Worked as member of '**Vigilance committee for regulations of COVID-19 norms in the campus**' in year 2021
- ✓ Worked as **Central External Practical/ Oral Exam. Co-ordinator**.
- ✓ Worked as departmental co-ordinator for '**Smart India Hackathon 2020**'
- ✓ Worked as member of '**Students Development Cell**' committee in AY 2020-21
- ✓ Worked as **PG Co-Ordinator**
- ✓ Worked as **Departmental External Practical/ Oral Exam. Coordinator**.
- ✓ Worked as **Departmental Term Work Coordinator** for two years.
- ✓ Working as **Paper Setter, Examiner and Moderator** for Engg. Examinations since thirteen years.
- ✓ Worked as External Examiner for Practical/ Oral Examinations in different colleges.
- ✓ Worked as member of 'Discipline Committee' during cultural programs of the institute.
- ✓ Worked as In-Charge of Engineering Mechanics Laboratory.
- ✓ Worked as Class Co-ordinator of SE (Civil), TY (Civil) and BE (Civil) classes.
- ✓ Recognized as **Post-Graduate Teacher** in Civil Engineering.

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- ✓ Worked as member of Anti-ragging committee for prevention of ragging in the institute campus.
- ✓ Worked as member of '**Student Induction Program & Foundation Course Committee**' for AY2021-22.
- ✓ Worked as member of '**Departmental Academic Monitoring & Audit Committee**'
- ✓ Worked as departmental co-ordinator for '**Revision of Second Year Syllabus**' for autonomous institute.
- ✓ Working as departmental co-ordinator for '**Revision of M.Tech Syllabus**' for autonomous
- ✓ Worked as departmental **NBA Co-ordinator in year 2021**
- ✓ In- charge of 'Concrete Technology' laboratory

Reviewer/ Editor of journals/books

Reviewer of international journal 'Advances in Research'

List of Research Publications

Papers in International Journal

1. Mohammed Ishtiyaque and Nitesh Singh, (2015), "Design analysis & comparison of Intze type Water tank for different wind speed and seismic zones as per Indian codes ", International Journal of Research in Engineering and Technology, 4, 9, 291-300.
2. Mohammed Ishtiyaque and Nitesh Singh, (2016), "Optimized design & analysis of steel pipe racks for oil & gas industries as per international codes & standards ", International Journal of Research in Engineering and Technology, 5, 10, 16-28.
3. Mohammed Ishtiyaque and M.G. Shaikh, (2017), "A Review on Study of Fracture Properties of Concrete Reinforced with Mixed/Hybrid Fibers ", IOSR Journal of Mechanical and Civil Engineering, 14, 4, 1-8.
4. Mohammed Ishtiyaque & Amol Rathod Vansing, (2017), "Pushover analysis of building structure", International Journal of Innovative Research in Science, Engineering and Technology, 6, 3, 83-93.
5. Mohammed Ishtiyaque & M.G. Shaikh, (2018), "Fracture properties of concrete reinforced with steel fibers ", Indian Journal of Science and Technology, 11, 16, 1-4.
6. Mohammed Ishtiyaque & Sudarshan Bhetekar, (2018), "Pushover analysis of G+15 Steel and steel-concrete composite frame structure", International Research Journal of Engineering and Technology, 5, 1, 53-58.
7. Mohammed Ishtiyaque, Rajal Shivraj Phulari & S.K. Swami, (2021), "Thermal analysis of isotropic and orthotropic plate by trigonometric shear deformation theory", International Journal for Research & Development in Technology, 15, 6, 100-106.
8. Mohammed Ishtiyaque, (2022), "IoT-Powered precision agriculture: Enhancing crop yield with smart irrigation solutions ", IJFANS International Journal of food and nutritional sciences, 11, 11, 2941-2948.
9. Mohammed Ishtiyaque, (2022), "Revolutionizing agriculture: AI and ML-Powered smart irrigation for maximum crop yield ", International Journal of food and nutritional sciences, 11, 8, 2986-2994.
10. Mohammed Ishtiyaque, (2021), "Soil parameters relation and impact on farming in sustainable agriculture ", International Journal of food and nutritional sciences, 10, 03, 258-268.
11. Mohammed Ishtiyaque, (2022), "AI revolution in civil engineering: A comprehensive analysis and future prospects ", International Journal of food and nutritional sciences, 11, 01, 892-906.

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12. Mohammed Ishtiyaque, (2022), "AI enhanced assessment of the complex impacts of construction activities on agricultural land ", International Journal of food and nutritional sciences, 11, 12, 8833-8844.
13. Mohammed Ishtiyaque, (2024), "A comparative study on the use of single and double layer ferromesh confinement in the form of strips on the behavior of short RCC columns ", Nanotechnology perceptions, 20 No. S16, 1863-1872.

Papers in National Journal

1. Mohammed Ishtiyaque & Syeda Amreen Saba, (2016), "Different confinement pattern and behavior of short concrete column ", Journal of Structural Engineering and Management, 3, 2, 51-55.
2. Mohammed Ishtiyaque & M.G. Shaikh, (2017), "Fracture behavior of concrete reinforced with basalt fibers", Journal for advanced research in Applied Sciences, 4, 7, 79-84.
3. Mohammed Ishtiyaque and Shaikh Nagma Saba, (2018), "Non -linear dynamic response of structural behavior under the influence of soil-structure interaction", Journal of Structural Engineering and Management, 5, 3, 1-13.
4. Mohammed Ishtiyaque and Shaikh Masroor, (2019), "Seismic analysis of multistory building with floating column under earthquake excitation with and without construction sequence analysis considering P-Delta effect", Journal of Structural Engineering and Management, 6, 2, 11-19.
5. Mohammed Ishtiyaque and Rashmi Salve, (2019), "Seismic Performance of RC Building Using Precast Large Panel", Recent Trends in Civil Engineering & Technology, 9, 3, 21-31.
6. Mohammed Ishtiyaque, Rajal Shivraj Phulari & S.K. Swami, (2021), "Thermal analysis of isotropic and orthotropic plate by trigonometric shear deformation theory", Journal of Geotechnical Engineering, 8, 2, 38-59.

Papers in International Conference Proceedings

1. Mohammed Ishtiyaque & R.M. Damgir (2003), "Effect of silica fume and steel fiber composite on strength properties of high performance concrete", Recent trends in Concrete Technology & Structures, INCONTEST 2003, 10-12 Sept. 2003, Coimbatore, 1-8.
2. Mohammed Ishtiyaque & R.M. Damgir (2003), "An Experimental investigation for development of Strengths of High Performance Concrete using Silica Fume ", Structural Engineering Convention 2003, 12-14 December 2003, IIT Kharagpur, 1-10.
3. Mohammed Ishtiyaque & M.G. Shaikh (2016), "Fracture toughness of concrete reinforced with mixed steel and basalt fibers", Trends and Recent advances in Civil Engineering, TRACE 2016, 11-12 August 2016, Noida, 269-277.
4. Mohammed Ishtiyaque and Syeda Amreen Saba (2016), " Ductile behavior of RCC Column", Trends and Recent advances in Civil Engineering, TRACE 2016, 11-12 August 2016, Noida, 438-442.
5. Mohammed Ishtiyaque & Syed Saad (2017), " Selection of most relevant input parameters using WEKA for artificial neural network based concrete compressive strength prediction model", IEEE 7th power India International Conference ,PIICON, 25-27 November 2017,Jaipur, 211-223.

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6. Mohammed Ishtiyaque & Sudarshan Bhetekar (2018), "Seismic performance of steel frame structure over RCC frame structure", Innovative trends in Engineering, Applied Science and Management, 1-2 March 2018, Hyderabad, 332-341.
7. Mohammed Ishtiyaque, (2025), "Impact of confinement pattern on behavior of short concrete column", Recent developments in sustainable infrastructure, KIIT, Bhubaneshwar, March 20-22,2025.
8. Mohammed Ishtiyaque, (2024), "Rainwater harvesting potential in large institutions: A feasibility study," Sustainable Developments in air and waste management,, Aligarh Muslim university, December 20-21,2024.

Papers in National Conference Proceedings

1. Mohammed Ishtiyaque & R.M. Damgir (2003), "An Experimental investigation for development of Strengths of High Performance Concrete using steel fibers", Advances in Concrete Technology and Concrete Structures for the future, 25-27 November 2017, Annamalainagar, 301-310.

Personal Details

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