

**Dr. M G SHAIKH**  
**Associate Professor of Applied Mechanics**



**Date of Joining Govt Service** :18.02.1993 (Private Service from 01.08.1990 to 17.02.1993 considered by Government)

**Date of Birth** : 03.11.1965

**Pay Scale** : P B 37400-67000; AGP 9000

**Experience (as on 07/08/2017):** 27 years

**Mobile No.** : 9881576830 / 8830303205

**E-Mail Address** : mohammadshaikh@gmail.com

**Qualification Details:**

Degree	Board/University	Specialization	Passing Year	Percentage of Marks	Class
B E	Dr. B A M University, Aurangabad	Civil Engg.	1987	63.07	First
M E	Pune University	Civil Struct.	1997	63.07	First
Ph D	I I T Madras	App. Mech.	2006	-----	-----

**Administrative Experience:**

1. Warden for Boys Hostel at Govt College of Engineering Karad from August 1999 to June 2002
2. Controller of Examinations at Govt. College of Engineering Aurangabad from Sept 11, 2007 to Sept 22, 2010 (3 Years Term)
3. Faculty & Staff Development Coordinator under TEQIP-II from for entire project period (2012 to 2017)
4. Computer Lab-in-Charge for Applied Mechanics Department from July 2014 to June 2017
5. Annual Social Gathering Antarang-2016 & 2017 in-Charge at Govt College of Engineering Aurangabad
6. Dean-Students Activities at Govt College of Engineering Aurangabad from July 18, 2017 till date

**Experience in Technical Education Department:**

Institute	Department	Designation	From –To Date
Govt. COE, Pune, Jalgaon, Karad, Aurangabad	Civil Engineering Applied Mechanics	Lecturer Lecturer, Associate Professor	18-02-1993:05-05-1994 06-05-1994:till date

**Experience (Other than Technical Education Department):**

Institute/Organization	Designation	Last Salary Drawn	From –To Date	Nature of Job
College of Engineering, Osmanabad	Lecturer in Civil Engineering	2200-4000	01-08-1990 to 17-02-1993	Teaching

**Training Attended:**

<b>Training Name</b>	<b>From Date To Date</b>	<b>Organization</b>
1. A course in programming in C++	03 to 31.01.98	GCOE, Pune
2. Computer Maintenance & networking	20.04.98 to 30.05.98	CWIT, Pune
3. Software Applications in Structural Engineering	06 to 09.12.99	CIT, Coimbatore (TN)
4. Continuum Mechanics: Theory and Applications	16 to 20.12.2002	IIT Madras
5. Teaching Methodologies	01 to 03.12.2003	TTTI, Chennai
6. Fracture Mechanics of Concrete: Theory and Applications	29.11.04 to 03.12.04	IIT Madras
7. Probability Methods in Earthquake Engineering	11 to 15.07.05	IIT Madras
8. Structural Dynamics and Seismic Design	13 to 18.12.04	IIT Madras
9. Soil Dynamics and Earthquake Engineering	13 to 17.06.05	IIT Madras
10. Finite Elements in Earthquake Engineering	04 to 08.07.05	IIT Madras
11. Advanced mechanics of Solids & Structures	26 to 30.12.05	IIT Madras
12. Managing and Functioning in an Autonomous Institute	14 to 20.01.08	GCOE, Aurangabad
13. Efficient Usage of Lab and Lab Equipments for Students	21 to 27.01.08	GCOE, Aurangabad
14. Structural Analysis & Design of Structures	01 to 11.07.08	VNIT, Nagpur
15. Engineering Optimization	28. 06. 2010 to 09. 07. 2010	GCOE, Aurangabad
16. Genetic Algorithm and Neuro Fuzzy Applications in Engineering	29. 11.2010 to 10.12.2010	GCOE, Aurangabad
17. ANSYS 12.0	08. 04.2011 to 30.04.2011	IGTR, Aurangabad
18. Pedagogy	16. 05. 2011 to 21. 05. 2011	GCOE, Aurangabad
19. Teachers' Training Phase-I	18. 07.2011 to 29. 07. 2010	NITTR Bhopal (GP, A'bad)
20. Skill matrix enhancement and effective teaching-Learning for quality technical education	28.11.2011 to 09.12.2011	GCOE Aurangabad
21. Finite element method and applications in civil engineering	02.07.2012 to 06.07.2012	IIT Bombay
22. Short Course on Finite Element Method by Prof J N Reddy from Texas A & M University, USA	19.12.2012 to 1.12.2012	IIT Hyderabad
23. Effective Administration	15.02.2013 to 16.02. 2013	GCOE Aurangabad
24. Patent and Copyright Policy of Govt College of Engineering, Aurangabad	09.04.2013	GCOE Aurangabad
25. Professional & Skill Development for Minority	16.06.2014 to 18.06. 2014	YASHDA Pune
26. Management Capacity Enhancement	15.12.2014 to 20.12.2014	IIM Udaipur

Programme		
27. Self Awareness and Higher Goals in Education	02.06.2015 to 06.06. 2015	IIT Madras
28. International Conference UKIERI 2015	02.11.2015 to 05.11.2015	NIT Jalandhar (Punjab)
29. Technical Aspects in Design and Construction of Bridges	22.04.2016 to 23.04.2016	Sardar Patel College of Engineering, Andheri, Mumbai
30. Mentoring of Faculty at Engineering/ Technology Colleges	12.12.2016 to 16.12.2016	SPFU at ICT Mumbai
31. Enhancement of Quality of Technical Education through Industry Institute Interaction	30.01.2017 to 03.02.2017	GCOE Aurangabad

### Conferences/Work shop/Seminars Coordinated:

Conferences/Work shop/Seminars Description	Month and Year	Organized at
Base Isolation Techniques for Earthquake Resistant Design	Nov. 27 to Dec 09, 2006	Govt. College of Engineering, Karad
International Conference on Innovative World of Structural Engineering	Sept 17-19, 2010	Govt. College of Engineering, Aurangabad
Workshop on ferrocement construction & design	February 21, 2014	Govt. College of Engineering, Aurangabad
Work-Life Balance for Faculty of GECA	Dec 05, 2014	Govt. College of Engineering, Aurangabad
Work-Life Balance for Supporting Staff of GECA	Dec 10, 2014	Govt. College of Engineering, Aurangabad
English Language Course for Class III & Class IV Employees under TEQIP-II	July 2015 to Oct 2015	Govt. College of Engineering, Aurangabad
Enhancing Efficiency in Departmental Work-Workshop for Class III & Class IV Employees under TEQIP-II	Oct 16 & 17, 2015	Govt. College of Engineering, Aurangabad
STTP Pedagogy to Synergogy for Faculty of GECA	Dec 7 to 11, 2015	Govt. College of Engineering Aurangabad
Workshop on Emotional Intelligence	Jan 30, 2016	Govt. College of Engineering Aurangabad
Workshop on Design of Bridges using Software	April 6 to 13, 2016	Govt. College of Engineering Aurangabad
Biology For Engineers	Feb 16-20, 2017	Govt. College of Engineering Aurangabad
STAAD Software Training for TE Students	Jan-Feb 2017	Govt. College of Engineering Aurangabad

## **Publications:**

1. M. G. Shaikh, S. Phanish, S. M. Sivakumar, "Domain switching criteria for ferroelectrics", *Computational Materials Science*, 37 (2006), 178-186 (International journal)
2. M. G. Shaikh, S. Phanish, S. M. Sivakumar, "Domain switching criterion for tetragonal phase ferroelectrics", *International Workshop on Computational Mechanics & Materials*, Goa, 2004
3. M. G. Shaikh, S. Phanish, S. M. Sivakumar, "Switch-toughening of ferroelectrics", *International Conference on Smart Materials Structures and Systems*, July 28-30, 2005 Bangalore, India.
4. M. Zameeruddin Saleemuddin, M. G. Shaikh, "Estimation of response of 2-DOF RCC base isolated building to earthquake loading", *International Conference on Emerging Trends in Engineering (ICETE 2010)*, Feb 20-21, 2010, Dr. J J Magdum College of Engineering, Jaisingpur, India
5. Mohd. Zameeruddin and M. G. Shaikh, "Design of base isolator for building", *International Conference on Innovative World of Structural Engineering*, Govt. College of Engineering, Aurangabad, Sept 17-19, 2010
6. M. G. Shaikh and S. A. Daimi, "Durability studies of concrete made by using artificial sand with dust ", *International Journal of Earth Sciences and Engineering*, Vol. 4, No. 6, SPL, October 2011, pp. 823-825
7. M. G. Shaikh, *Methods of Structural Analysis: Utility of Finite Element Method Revisited*, ISSE Journal, Vol. 13-4, Oct-Nov-dec 2011
8. Shaikh M. G. and More R. B., *Performance of hybrid fiber reinforced concrete*, *International Journal of Global Technology Initiatives*, A41, March 2012.
9. M. G. Shaikh and Mohsin Syed, "Flexural behavior of noncorroded and corroded RCC beams using finite element method", *Communicated to 11<sup>th</sup> International Conference on Concrete Engineering and Technology 2012*, 12-13 June, 2012, Putrajaya, Malaysia.
10. A R Khan and M G Shaikh, *Block Shear Failure of Tension Members*, 4<sup>th</sup> International Congress on Computational Mechanics and Simulation, Dec 09-12, 2012, IndACM & IIT Hyderabad, India.
11. Syed Sohailuddin and M G Shaikh, *Finite Element Modeling of Reinforced Concrete Beam Column Joint using ANSYS*, *International Journal of Structural and Civil Engineering Research*, Vol. 2, No. 3, August 2013.
12. M G Shaikh and Hashmi S Shakeeb, *Effect of Seismic Joint in the performance of Multi-Storeyed L-Shaped Building*, *IOSR Journal of Mechanical and Civil Engineering*, Vol. 10, Issue 1, pp. 70-77, Nov-Dec 2013.
13. P S Patil and M G Shaikh, *A Study of effect of Shear Connector in Composite Beam in Combined Bending and Shear by ANSYS*, *International Journal of Innovative Technology and Exploring Engineering* , Vol. 3, Issue 3, August 2013.
14. S P Jadhao and M G Shaikh, *Design and Development of High Strength Heavy Weight Concrete using SBR*, *International Journal of Scientific & Engineering Research*, Vol. 4, Issue 5, May 2013.
15. M G Shaikh and H A M I Khan, *Governing Loads for Design of A Tall RCC Chimney*, *IOSR Journal of Mechanical and Civil Engineering*, Vol.5, pp. 12-19, February 2013.
16. Q C Sayyad and M G Shaikh, *Articulated Hollow Concrete Masonry Blocks for Earth-Retaining Structures*, *International Journal of Engineering Research & Technology*, Vol. 4, Issue 4, April 2015.
17. Syed Ibrahim and M G Shaikh, *Study of fracture in concrete using fractals*, *International Journal for Scientific Research & Development*, Vol. 3, Issue 08, pp. 45-51, 2015.

18. M A Mundewadi and M G Shaikh, A review of analysis of concrete beam by fracture mechanics approach, International Journal of Scientific Research & Developments, Vol. 3, Issue 8, pp. 21-25, 2015.
19. Poonam V Nimbolkar and M G Shaikh, Characterization of fracture in concrete by fractals, UKIERI Congress (International Conference), NIT Jalandhar (Punjab), 02-05 Nov 2015.
20. K. B. Shikhare and M. G. Shaikh, Effect of different admixtures of bio-origin on structural behavior of high strength concrete, IFERP International Conference, Bengaluru (ISBN: 9788192958012)
21. A.A. Usama and M. G. Shaikh, Constitutive models for concrete in plasticity, International Journal of Scientific Research & Developments, Vol. 4, Issue 5, 2016
22. Asadullah and M. G. Shaikh, A pneumatic study of effect of confining pressure on stress-strain relation in concrete, International Journal of Scientific Research & Developments, Vol. 4, Issue 5, 2016
23. Z.N. Shaikh and M. G. Shaikh, Improving resistance of structure to earthquake using dampers, International Journal of Scientific Research & Developments, Vol. 4, Issue 5, 2016

**Patent Obtained:** Articulated concrete hollow blocks product design patent number 257616 (2013)

**Co- Curriculum Activities:**

- Delivered lecture on Design of Prestressed Concrete Girders for Bridges at WALMI, Aurangabad on 21.09.2007
- Delivered lecture on Analysis and Design of Multistoreyed Buildings at Quality Control Regional Lab, PWD at Aurangabad on 01.09.2010
- Conducted students' study tours to Railway Workshop Manmad, TPS at Eklahare, Sinnar, HVDC Tower Line near Jalna, Bhandardara Dam, etc.
- Expert Lecture Delivered in Two Days National Workshop on Innovations, Inventions and Patents IIAP-2016 on 1-2 February, 2016

**Extra-Curricular Activities:**

- Represented Govt. College of Engineering, Aurangabad in the 'Coffee with GECA' programme held by Alumni Association at Nanded on Sept 12, 2010
- Conducted MHTCET-2017 Exam as District Liaison Officer (DLO) , and various AIEEE, MPSC, UPSC exams as Chief Superintendent
- Currently working as Dean-Students Activities in Govt College of Engineering Aurangabad

**Membership of Professional Associations:**

Life Member of ISTE, IE(I), ISET, IndCAM

**Research Area of Interest:**

Water Conservation Structures in Ferrocement, Fracture Mechanics of Concrete, Finite Element Analysis, Analysis & Design of Structures

**Current Research Guidance**

Recognized PhD Research Guide at Govt. College of Engineering Aurangabad research center under Dr B A M University Aurangabad; 05 students pursuing Ph D in Structural Engineering so far.