



## Sinhgad Technical Education Society's

Sinhgad College of Engineering  
Vadgaon (Budruk) Off. Sinhgad Road, S.No. 44/1,

**DR. M. N. BAJAD**

**D.C.E; B.E. (Civil); M.E.(Structures); Ph.D. (SVNIT Surat)**  
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### Academic Qualification

Degree	Institute Name	University Name
S.S.C	S. S. H. Washim	Amravati (MS) India
D.C.E.	G. P. Washim	M.S.B.T.E Mumbai (MS) India
B.E.(Civil)	B. N. C. O. E. Pusad	Amravati (MS) India
M.E.(Str.)	M. I. T. Pune	Pune (MS) India
Ph.D. (Civil)	S. V. N. I. T. Surat, Gujarat, India (Under MHRD)	

### Training Details

#### One to Three days

- Entrepreneurship Awareness Programme organized by MCED, Osmanabad (M.S.) on 10<sup>th</sup> & 11<sup>th</sup> Oct.2005.
- Workshop on "Rain Water Harvesting and Watershed Development" Organized by Department of Civil Engineering, Govt. College of Engineering, Aurangabad (M.S.) on 21<sup>st</sup> August 2005
- State Level Technical Paper Presentation Held at Pravara Rural Engineering College Loni (M.S.) On 30<sup>th</sup> March 2005 (presents technical paper on State-of-the-Report on Ferro cement and F.R.C.)
- Three days Continuing Education Program on "Self-Learning Multimedia Aids Using Flash" from 11<sup>th</sup> to 13<sup>th</sup> July 2007, jointly organized by Sinhgad College of Engineering, Pune and Kunal IT services Pvt.Ltd. Pune.
- State Level Technical Paper Presentation Held at Sinhgad College of Engineering, Pune from 16<sup>th</sup> to 17<sup>th</sup> March 2007 (presents technical paper on Durability of concrete)
- Two days National symposium on Pre-Engineered Buildings (PEB), organized by Department of Civil Engineering, Sinhgad College of Engineering, Pune in association with Tata BlueScope steel Ltd.in between 25<sup>th</sup> & 26<sup>th</sup> July 2009.
- One day workshop on Provisions in IS 456 (Revised 2000) and its implications sponsored by University of Pune, organized by, Department of Civil Engineering, Rajarshi Shahu College of Engineering, Pune.
- Two days' workshop on Engineering Mechanics-Effective Teaching Methodology, organized on 8<sup>th</sup> & 9<sup>th</sup> January 2009 by Department of Civil Engineering, Vishwakarma Institute of Information Technology, Pune.
- Two days Seminar on Planning Aspects for a Project: concept to completion held on 7<sup>th</sup> & 8<sup>th</sup> March 2009, organized by Department of Civil Engineering, Sinhgad College of Engineering, Pune.
- The Teachers Advancement Program – Level 1 & 2 conducted from 28<sup>th</sup> to 30<sup>th</sup> October, 2013 at Sinhgad Technical Education Society, Pune.
- National Conference on Smarter Cities – India 2015: Smarter Solutions for a Better Tomorrow (SCI – 2015), organized on 8<sup>th</sup> & 9<sup>th</sup> June, 2015 by Department of Civil Engineering, Sinhgad College of Engineering, Pune.
- Two days' workshop on Disaster Management sponsored by Board of student's welfare, Savitribai Phule Pune University, organized on 8<sup>th</sup> & 9<sup>th</sup> March, 2016 by Department of Civil Engineering, Sinhgad College of Engineering, Pune.

- One day state level workshop on “NBA Accreditation – An Outcome Based Approach” Organized on Saturday, 28<sup>th</sup> December 2019 by Internal Quality Assurance Cell, Dhole Patil College of Engineering, Pune.
- Online YOGA quiz jointly organized on 20<sup>th</sup> June, 2020 by Department of Physical Education and Department of Computer Science of Shree Dnyaneshwar Maskuji Burugale Science and Art College, Shegaon on the eve of 6<sup>th</sup> International Day of Yoga

### One Week

- AICTE Sponsored Staff Development programme on “Effective Teaching” between 22<sup>nd</sup> & 26<sup>th</sup> October 2007 Organized by Sinhgad College of Engineering, Department of Computer Engineering Pune
- ISTE Approved Short- Term Training Programme on Earthquake Resistant Design of RC Buildings under TEQIP Held from 17<sup>th</sup> to 21<sup>st</sup> December 2007 organized by Department of Applied Mechanics, College of Engineering, Pune
- National workshop On Design of Steel structures using Revised IS 800:2007, organized by Department of civil Engineering, Sinhgad College of Engineering, Pune from 30<sup>th</sup> June to 4<sup>th</sup> July 2009.
- AICTE Sponsored Short Term Training Programme on Advanced Design of Steel Structure using (Revised) IS: 800-2007, organized by Applied Mechanics Department, S.V.N.I.T. Surat during 3<sup>rd</sup> to 7<sup>th</sup> August 2009.
- One-week faculty development programme on scope of Finite Element Method in Civil Engineering organized by Department of Civil Engineering, Sinhgad College of Engineering, Pune on 9<sup>th</sup> to 13<sup>th</sup> December 2013.
- Short Term Training Program on “Assessment and Evaluation under Outcome Based Education (ICT04)” between 10<sup>th</sup> June to 14<sup>th</sup> June 2019 Organized by NITTTR, Kolkata at Sinhgad Institute of Technology and Science, Narhe, Pune-41
- One week online “Short Term Training Program on Renewable Energy & Utilization” during 26-30 May, 2020 organized by Department of Mechanical Engineering, Sandip Institute of Engineering & Management, Nashik.
- International Faculty Development Program on “Research Methodology and Techniques” organized by Sandip Institute of Engineering and Management Nashik from 04/07/2020 to 06/07/2020.
- One-week STTP on “Teaching Learning Pedagogies” Approved and funded by All India Council for Technical Education, New Delhi – Quality Improvement Scheme (AQIS), conducted by Department of Mechanical Engineering, A. G. Patil Polytechnic Institute, Solapur from 7<sup>th</sup> September to 12<sup>th</sup> September 2020
- TEQIP – III sponsored workshop cum faculty development program (FDP) on “Recent Trends of Research in Civil Engineering Structures” (RTRCES 2020)” organized by Dept. of Civil Engineering, NIT Rourkela from September 22<sup>nd</sup> -26<sup>th</sup>, 2020.
- One Week International Workshop on “Durability of Concrete (IWODOC - 2020)” organized by the Department of Civil Engineering, National Institute of Technology Karnataka, Surathkal, India in Association with Indian Concrete Institute Mangalore Centre, The Institution of Engineers (India) Mangalore Local Centre & The Indian Concrete Journal during 26<sup>th</sup> - 30<sup>th</sup> October 2020.
- Five days online Short-Term Course on “Machine Learning and Its Application to Civil Engineering (MLACE 2020)” from November 02-06,2020 organized by Department of Civil Engineering and sponsored by TEQUIP – III, National Institute of Technology Srinagar Hazratbal-190006 Jammu & Kashmir, India
- TEQIP III sponsored Short Term Training Program on “Air Pollution: Sources, Control and Modelling” organised by Civil Engineering Department, SVNIT, Surat from 15<sup>th</sup> – 19<sup>th</sup> February,2021.
- AICTE Sponsored One Week Online Faculty Development Programme on “Futuristic Trends in Civil Engineering” held from 5<sup>th</sup> to 10<sup>th</sup> July 2021 at New Horizon College of Engineering, Bengaluru.

### Two Week

- AICTE Sponsored Induction Training Programme for develop basic teaching competency between 26<sup>th</sup> November to 8<sup>th</sup> December 2007 organized by NITTTR at Extension Center Pune.
- Two-week ISTE workshop on Engineering Mechanics conducted by IIT Bombay under the National Mission on Education through ICT (MHRD, Government of India) during 26<sup>th</sup> November to 06<sup>th</sup> December,2013

- 1 Bajad, M.N., and Modhera C.D., (2010). "Experimental investigations in developing concrete containing waste glass powder as pozzolana", *Journal of Information, Knowledge and Research in Civil Engineering [ISSN 0975-6744]*.1 (1): 32-37.
- 2 Bajad, M.N., Modhera C.D. and Desai A.K., (2011). "Effect of glass on strength of concrete subjected to sulphate attack", *International Journal of Civil Engineering Research and Development [ISSN 2448-9428]*. 1(2):1-12.
- 3 Bajad, M.N., Modhera C.D. and Desai A.K., (2011). "Density of concrete with waste glass powder as cement replacement", *International Journal of Engineering Research and Industrial Applications [ISSN 0974-1518]*.4 (4):205-214.
- 4 Bajad, M.N., Modhera C.D. and Desai A.K., (2011). "Studies on workability of concrete containing waste glass powder as pozzolana", *International Journal of Engineering Research and Technology [ISSN 0974-3154]*.4 (4):435-442.
- 5 Bajad, M.N., Modhera C.D. and Desai A.K., (2011). "Influence of a fine glass powder on strength of concrete subjected to chloride attack", *International Journal of Civil Engineering and Technology ( <http://www.iaeme.com/ijciet/index.asp> ) [ISSN 0976-6308] (Source record id 21100785495) IF-9.7820*, 2 (2):1-12.
- 6 Bajad, M.N., Modhera C.D. and Desai A.K., (2011). "Use of waste glass powder as replacement of cement in concrete-experimental study", *Civil Engineering and Construction Review [ISSN 0975-9034]*. 08(10):84-88.
- 7 Bajad M.N., Modhera C.D. and Desai A.K., (2012). "A state of art report on benefits of using glass powder as a partial replacement in concretes", *International Journal of Engineering Studies [ISSN 0975-6469]*.4 (1):41-54.
- 8 Bajad, M.N., Modhera C.D. and Desai A.K., (2012) "Chloride ion in con-glass-crete", *International Journal of Civil, Structural, Environmental and Infrastructural Engineering Research and Development [ISSN 2249-6866]*. 2(2):32-40.
- 9 Bajad, M.N., Modhera C.D. and Desai A.K., (2012). "An overview on effect of chloride and sulphate attack on the properties of conglasscrete", *Global Journal of Engineering and Applied Science [ISSN 2249-2623]*. 4(2):168-172.
- 10 Bajad M.N., Modhera C.D. and Desai A.K., (2012). "Investigations in analysis of conglasscrete", *International Journal of Civil Engineering and Application [ISSN 2249-426X]*. 2(2): 83-92.
- 11 Bajad, M.N., Modhera C.D. and Desai A.K., (2012). "Higher strength concrete using glass powder", *Journal of structural Engineering (www. serc.res.in/jose/)* [ISSN 0970-0137] (Source record id 16303) [SNIP-0.224, IPP-0.052, SJR – 0.179].39 (3):380-383.
- 12 Bajad, M. N., Modhera C.D. and Desai A.K., (2012). "Resistance of concrete containing waste glass powder against  $MgSO_4$  attack", *New Building Material and construction World [ISSN 0973-0591]*.17 (11):216-227.
- 13 Bajad M.N., Modhera C.D. and Desai A.K., (2012). "Effects of sodium chloride and magnesium sulphate on glass concrete", *The IUP Journal of structural Engineering [ISSN 0974-6528]*.5 (3):28-47.
- 14 Bajad, M.N., Modhera C.D. and Desai A.K., (2013). "Use of waste glass powder in concrete", *Indian Concrete Journal(www.icjonline.com)* [ISSN 0019-4565] (SOURCECORP id 16129) (SNIP-0.256, IPP – 0.116, SJR-0.189) .80(07):54-60.
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- 17 Bajad, M.N., Modhera C.D. and Desai A.K., (2014). "Sulphate ion in glass powder concrete", *International Journal of Civil and Environmental Engineering [ISSN 1701-8285]*.36 (1):1217-1220.
- 18 Bajad, M.N., Mutha N., Husain H., Kshirsagar N., (2015). "Effects of recycled aggregate & fly ash in concrete" [DOI (Digital Object Identifier Number) 10.9790/1684-12232835, [www.dx.doi.org](http://www.dx.doi.org) OR [www.doi.org](http://www.doi.org) ] "[ ANED (American National Engineering Database)-DL (Digital data link number) 13.1864/iosr-Jmce-D012232835, [www.aned.us](http://www.aned.us)] African quality Centre for journal: Rank No. 09, *IOSR Journal of Mechanical & Civil Engineering [ISSN 2278-1684]*.

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- 21 Meena Noorzai<sup>1</sup>, M. N Bajad, Neha. Dodal, (2015), "Earthquake Resistant Structure Base Isolation", *International Journal of Latest Technology in Engineering & Management* .1(1):1- 6.
- 22 Rahul Sawant, M.N. Bajad, (2015), "A Review On: The Influence of Soil Conditions on The Seismic Forces in RC Buildings", *International. Journal of Engineering Research and Applications* [ISSN: 2248-9622].5(6):81-87.
- 23 Meena Noorzai, M. N. Bajad, Neha Dodal, (2015), "Effect of Base Isolation on The Response of RCC Building", *Proceedings of National Conference on Smarter Cities – India 2015: Smarter Solutions for a Better Tomorrow (SCI – 2015)* ,14-20.
- 24 S. S. Pawar, M. N. Bajad, (2015), "Seismic Behavior of Reinforced Coupled Shear Wall with Steel Coupling Beam", *Proceedings of National Conference on Smarter Cities – India 2015: Smarter Solutions for a Better Tomorrow (SCI – 2015)* ,27-37.
- 25 Rahul Sawant, M. N. Bajad, (2015), "The Effect of Local Soil Parameters in Seismic in Seismic Analysis of R.C. Buildings", *Proceedings of National Conference on Smarter Cities – India 2015: Smarter Solutions for a Better Tomorrow (SCI – 2015)* ,53-61.
- 26 Karan Shah, Rahul Kolate, Ameya Parsodkar, Ganesh Shinde, Siddharth Khapre, M. N. Bajad, (2015), "Performance Based Seismic Design Approach for Buildings", *Proceedings of National Conference on Smarter Cities – India 2015: Smarter Solutions for a Better Tomorrow (SCI – 2015)* , 209-214
- 27 Nikhil Kshirsagar, Nandan Mutha, Hatim Husain, Vishnu Nagarale, M.N. Bajad, (2015), "Effects of Recycled Aggregate and Fly Ash in Concrete", *Proceedings of National Conference on Smarter Cities – India 2015: Smarter Solutions for a Better Tomorrow (SCI – 2015)* ,226-236.
- 28 Meena Noorzai<sup>1</sup>, M.N. Bajad and, Neha Dodal, (2015), "Study Response of Fixed Base and Isolation Base", *Proceedings of the Civil Engineering PG Conference*.:466-470.
- 29 S.S. Pawar, M.N. Bajad, (2015), "Behavior and Seismic Analysis of hybrid Coupled shear wall", *Proceedings of the Civil Engineering PG Conference*.780-785.
- 30 Rahul Sawant, M. N. Bajad., (2016). "Effect of Soil-Structure Interaction on High Rise RC Building" [DOI (Digital Object Identifier Number) 10.9790/1684-13148591, www.dx.doi.org OR www.doi.org ] "[ ANED (American National Engineering Database)-DL (Digital data link number) 13.1864/iosr-Jmce-D012232835, www.aned.us] African quality Centre for journal: Rank No. 09, *IOSR Journal of Mechanical & Civil Engineering* [ISSN 2278-1684]. 13(1) IV:85-91.
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- 35 M. N. Bajad, Rohan P. Shah, Harsh Kumar C. Ughareja (2016), "A State of Art Review on Aluminum Formwork Systems", *International Journal of Engineering Research* [ISSN 2321 – 7758], 4(2):292-296.
- 36 M. N. Bajad, Dharme Ashutosh S. (2016), "Behavioral Study of Buildings with Vertical Irregularity", *International Journal of Advanced and Innovative Research* [ISSN 2278-7844], 5(3): 320-324.

- 37 M. N. Bajad, Ravindra B. Gogawale (2016), "A Comparative Study of Behavior of Structural Parameters Subjected to Lateral Forces by Shear Walls and Bracing Systems using Software", *Journal of Computing Technologies [ISSN 2278 – 3814]*, 5(3):109-115.
- 38 M. N. Bajad, Swapnil C. Tejale, Rishikesh Solanki (2016), "Comparative Study of Conventional Technique and Aluminum Formwork Technique Considering Cost Factor", *International Journal of Engineering Research [ISSN 2321 – 7758]*, 4(2):606-609.
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## Reviewer:

S.N.	Name of Journals	Affiliation Date
01	Iconic Research and Engineering Journals (ISSN 2456-8880) ( <a href="http://www.irejournals.com/ReviewBoard.jsp">http://www.irejournals.com/ReviewBoard.jsp</a> )	07-07-2017
02	International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development (ISSN 2249-6866 ,ISSN2249-7978) Transstellar Journal Publications and Research Consultancy Private Limited ( <a href="http://tiprc.org/journals.php?type=2&amp;id=11&amp;details=editors">http://tiprc.org/journals.php?type=2&amp;id=11&amp;details=editors</a> )	03-08-2017
03	International Journal of Research and Scientific Innovation (IJRSI) (ISSN 2321-2705) ( <a href="http://www.rsisinternational.org/journals/ijrsi/boardmembers/">http://www.rsisinternational.org/journals/ijrsi/boardmembers/</a> )	08-02-2018
04	International Journal of Research and Innovation in Applied Science (ISSN No. 2454-6194) ( <a href="http://www.rsisinternational.org/journals/ijrias/board-members.html">http://www.rsisinternational.org/journals/ijrias/board-members.html</a> )	28-07-2018
05	International Journal of Multidisciplinary Research and Development (E-ISSN: 2349-4182, P-ISSN: 2349-5979) ( <a href="http://www.allsubjectjournal.com">www.allsubjectjournal.com</a> )	28-08-2018
06	International Conference on Sustainable Development organized by Savitribai Phule University and Sinhgad College of Engineering, Pune	09-02-2019
07	Two Days National Conference on Panchtatva in Civil Engineering- Integrating Five Elements of Nature for Sustainable Development	27-02-2019
08	Blue Eyes Intelligence Engineering & Sciences Publication (Total 10 Journals, 03/10 Scopus indexed journal): <a href="https://blueeyesintelligence.org/journals/">https://blueeyesintelligence.org/journals/</a> , Membership No. 202016	06-01-2020
09	International Journal of Engineering & Advanced Technology (IJEAT) ISSN 2249-8958 (Scopus indexed journal) Membership No. 202016	06-01-2020

10	International Journal of Recent Technology & Engineering (IJRTE) ISSN 2277-3878(Scopus indexed journal) Membership No. 202016	06-01-2020
11	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN 2278-3075(Scopus indexed journal) Membership No. 202016	06-01-2020
12	American Journal of Civil Engineering, ISSN: 2330-8729 (Print); ISSN: 2330-8737 (Online), Science Publishing Group 1 Rockefeller Plaza, 11th Floors, New York, NY 10020, U.S. Ahttp://www.sciencepublishinggroup.com/j/ajce	20-10-2020

### Membership Details

1. Indian Concrete Institute (ICI)- [Life Member No.9496, with effect from Jan.2012]
2. Indian Association for Structural Engineering (IASE)
3. Indian Association for Computational Mechanics (Ind ACM)
4. Indian Society for Technical Education (ISTE) – [Life Member No. – 104129, with effect from 2015]
5. Indian Society of Structural Engineers (ISSE) - [Life Member No. – 1430, with effect from 7<sup>th</sup> April, 2015]
6. International Association of Engineers (IAENG)- [Life Member No. – 241154, with effect from 2<sup>nd</sup> July, 2019]

### Post Held

Lecturer	- B. N. College of Engineering, Pusad (Maharashtra) India (03.08.2000 – 24-08-2006).
Lecturer	- Sinhgad College of Engineering, Pune (Maharashtra) India (25.08.2006 – 31.03.2008).
Sr. Lecturer	- Sinhgad College of Engineering, Pune (Maharashtra) India (01.04.2008 – 31.03.2010).
Assistant Professor	- Sinhgad College of Engineering, Pune (Maharashtra) India (01.04.2010 – 31.03.2016).
Associate Professor	- Sinhgad College of Engineering, Pune (Maharashtra) India (01.04.2016 – 31-03-2019).
Professor	- Sinhgad College of Engineering, Pune (Maharashtra) India (01.04.2019 – Present).

### Books Published

#### International Level Reference Book

- 1 Mohankumar Namdeorao Bajad (2017), "Science and Technology of Concrete- The Leading Material in Sustainable Construction", ISBN-13:978-3-330-03954-4 / ISBN-10:333003954X / EAN: 9783330039544 / Book Language: English, Number of Pages:340 / Category: Technology / Price 79.90 €, LAMBERT Academic publishing, Germany (www.lap-publishing.com).

#### Text Books

- 1 M. N. Bajad, V. R. Phadke (2010), "Concrete Technology", ISBN 938006474-8, Book Code-N1019, Nirali prakashan, Pune - 411005, Maharashtra, India (www.pragationline.com).
- 2 M. N. Bajad, (2011), "Structural Design-I", ISBN 938244802-0, Nirali prakashan, Pune - 411005, Maharashtra, India (www.pragationline.com).
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- 5 M. N. Bajad, (2013), "Concrete Technology-NMU" ISBN 938352553-3, Book Code-N3004, Nirali Prakashan, Pune - 411005, Maharashtra, India (www.pragationline.com).
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- 8 M. N. Bajad, (2014) "Structural Design-I (NMU)", Book Code-N2276, Nirali Prakashan, Pune - 411005, Maharashtra, India (www.pragationline.com).
- 9 M. N. Bajad, (2014) "Structural Design-II (NMU)", ISBN 935164394-8, Book Code-N3341, Nirali Prakashan,



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- 10 M. N. Bajad, (2015) "Design and Drawing of Steel Structure (UoM)", ISBN 978-93-5099-944-8, Technical Publications & Nirali Prakashan, Pune - 411005, Maharashtra, India ([www.pragationline.com](http://www.pragationline.com)).
- 11 M. N. Bajad, (2015) "Theory of Reinforced and Prestresses Concrete (UoM)", ISBN 978-93-332-0143-8, Technical Publications & Nirali Prakashan, Pune - 411005, Maharashtra, India ([www.pragationline.com](http://www.pragationline.com)).
- 12 W. N. Deulkar, M. N. Bajad, (2015), "Concrete Technology-SU", ISBN 935164469-3, Book Code-N3373, Nirali Prakashan, Pune - 411005, Maharashtra, India ([www.pragationline.com](http://www.pragationline.com)).
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### Declaration

I hereby declare that all the above information furnished by me is true to the best of my knowledge.



Date :12-January -2022

Dr. M. N. Bajad