


## Faculty Profile

Name	Dr. Giridhar N. Narule					
Department	Civil Engineering					
Designation	Associate Professor					
Area of Specializations	Structural Engineering, Application of Composites					
Date of Joining the Institute	17/08/2005					
Contact Number	9922458871					
Email Id	<a href="mailto:giridhar.narule@vpkbiet.org">giridhar.narule@vpkbiet.org</a>					
Qualifications with class/grade	UG: B.E. (Civil Engineering - 71.00%) - 1993 PG: M.E. (Structural Engineering-SPCE, Andheri,Mumbai - 61.00%) - 2000 PhD: Structural Engineering (VJTI, Mumbai) - 2019					
Total Experience	Teaching	26 Years	Industry	01 Year	Research	
Paper Published (Reputed Journals,Scopus, and SCI)	National	Nil	International	26		
Paper Presented in Conferences /National /International	National	02	International	21		
No. of FDP/Workshops/STTPs attended	33					
Books Published/IPRs/Patents	• 01 Book Chapter					
No. of Projects Guided	UG	52	PG	42	PhD	02 (In progress)
Professional Memberships	1. MISSE :Life Member, Indian Society for Structural Engineers (India).(M1057) 2. MISTE :Life Member, Indian Society for Technical Education.(LM28878)					
Consultancy Activities	Provided services: 1. HiTECH Textile Park Baramati for leveling, testing of soil strata and demarcation of Plots, 2. Airport, Baramati in extension work of runway for checking quality of construction materials, 3. As Technical Auditor and quality testing of materials for Civil works of Baramati, Jejuri, Saswad Nagrparishd, 4. Indapur Engineering Campus for Leveling, layout and contour mapping. 5.Structural Stability and Water Auditor					
Awards & Recognition	<ul style="list-style-type: none"><li>Recognized reviewer of ACI Structural and Materials Journal and Innovative Infrastructure solutions Journal</li><li>Recognized SPPU Ph.D. and PG Guide.</li><li>Elite+Silver certificate from NPTEL for courses on Design of Reinforced Concrete Structures and Developing Soft Skill and Personality.</li></ul>					
Grants Fetched/Applied	<ul style="list-style-type: none"><li>Received Grant Rs.6,00,000 for Non-Destructive testing of existing structure and rehabilitation under AICTE-MODROBS(2012-13)</li><li>Applied two proposals of amount 48, 37,500/- to AICTE&amp;SERB.</li></ul>					
Interaction with Professional Institutions	Resource person:- <ul style="list-style-type: none"><li>STTP Funded by AICTE at SVPM's COE, Malegaon</li></ul>					
View Google Scholar, Research Gate, SCOPUS & ORCID Profile	Google Scholar: <a href="https://scholar.google.co.in/citations?user=UJFgExkAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=UJFgExkAAAAJ&amp;hl=en</a> Research Gate: <a href="https://www.researchgate.net/profile/Giridhar-Narule">https://www.researchgate.net/profile/Giridhar-Narule</a> SCOPUS: <a href="https://www.scopus.com/authid/detail.uri?authorId=57202748927">https://www.scopus.com/authid/detail.uri?authorId=57202748927</a> ORCID: <a href="https://orcid.org/0000-0002-5441-6736">https://orcid.org/0000-0002-5441-6736</a>					

### Journal Publications:

- Narule G.N, Thombare N. D., (2022) “Enhancing the properties of concrete pertaining to sulphate and chloride attacks”, AIP Conference Proceedings 2446, 060009 (2022) <https://doi.org/10.1063/5.0108867>, Springer, Vol.-2446, Issue- 1, PP. - 1-7, Nov,2022, ISSN NO : 1551-7616.
- Narule G.N, Sonawane K. K, (2022) “Flexural and shear cracking performance of strengthened RC rectangular beam with variable pattern of the BFRP strips”, Innovative Infrastructure Solutions, Springer, Vol.-7, Issue- 2, PP. - 1-16, Feb,2022, ISSN NO : 2364-4176, <https://doi.org/10.1007/s41062-022-00785-0>.
- Narule,G. N., Bambole, A. N., (2022) “Experimental analysis of RC rectangular and square columns confined using carbon fiber composites”, Materials Today: Proceedings- Elsevier, Volume 56, Part 1, 2022, Pages 400-405, Jan,2022, ISSN NO : 2214-7853. <https://doi.org/10.1016/j.matpr.2022.01.238>.
- Narule,G. N., Visapure, A. N., (2022) “Experimental investigation on compressive and flexural performance of Forta-fiber reinforced concrete”, Materials Today: Proceedings- Elsevier, Volume 56, Part 1, 2022, Pages 406-411, Jan,2022, ISSN NO : 2214-7853. <https://doi.org/10.1016/j.matpr.2022.01.244>.
- Kamble A., Narule,G.N.,Khartode, R., (2021) “To Study of Seismic Response of Irregular Shaped Columns using Pushover Analysis”, GIS Science Journal,Vol.-8,Issue-07,PP.1516-1526, April, 2021, ISSN NO : 1869-9391.
- Sonone, S., Morkhade, S., Narule, G. N., (2021) “Finite Element Analysis of Castellated Steel Beams”, GIS Science Journal,Vol.-8,Issue-05,PP.1410-1415, May, 2021, ISSN NO : 1869-9391.
- Lonkar S., Narule, G. N., (2021) “Structural performance of relief shelf in cantilever retaining wall”, Journal of Engineering, Computing and Architecture, May, 2021, Vol-11 Issue-05,PP.60-68. ISSN: 1934-7197.
- Bhosale, P., Narule, G.N., (2021) “Structural response of storied building for orientation of shear wall”, GIS Science Journal, Vol.-8,Issue-05, May, 2021,PP.458-470, ISSN NO : 1869-9391.
- Nayak, C., Narule, G. N. and Surwase, H., (2021) “Structural and cracking behaviour of RC T-beams strengthened with FRP sheets by experimental and analytical investigation”, Journal of King Saud University – Engineering Sciences, <https://doi.org/10.1016/j.jksues.2021.01.001>,Vol 34,issue 6, January, 2021, ISSN: 1018-3639,
- Narule, G. N. and Bambole, A. N., (2020) “An experimental study on axial behavior of FRP-strengthened RC rectangular columns with variable slenderness ratio”, Asian Journal of Civil Engineering, Springer, <https://doi.org/10.1007/s42107-020-00312-5>, Vol.22,Issue 01.PP. 263–275, October, 2020, ISSN: 1563-0854.
- Khartode, R., Godase,A., Narule,G.N., Ahiwale, D.,(2020) “A parametric study of hybrid steel plate girder”, GIS Science Journal,Vol.7, Issue11, PP.1045-1058, November 2020, ISSN NO : 1869-9391.
- Ahiwale, D., Khartode. R., Bhapkar, A., Narule, G. N. and Sharma, K., (2020) “Influence of compressive load on concrete filled steel tubular column with variable thickness”, Innovative Infrastructure Solutions, Springer, <https://doi.org/10.1007/s41062-020-00390-z>, 6, 23 October, 2020, ISSN: 2364-4176.
- Khartode. R.R., Ahiwale, D.D., Dewarde, A. and Narule, G.N.,(2020) “Seismic Response Assessment of Steel Frame Step-back Building for Different Fluid Viscous Dampers”, Journal of Seybold Report, Vol. 15, No. 9 (2020), pp. 1969-1983, September, 2020, ISSN: 1533-9211.
- Narule, G. N. and Surwase H., (2019) “Behavior of RC T-Beam strengthen using basalt fiber reinforced polymer (FRP) sheet”, International Research Journal of Engineering and Technology, Vol. 6, No. 6 (2019), pp. 3525-3529, June,2019, ISSN: 2395-0072.
- Narule, G. N. and Bambole, A. N., (2018) “Axial behavior of CFRP wrapped RC columns of different shapes with constant slenderness ratio”, International Journal of Structural Engineering and Mechanics, Vol. 65, No. 6 (2018), pp. 679-687, March,2018, ISSN: 1225-4568, <https://doi.org/10.12989/sem.2018.65.6.679>.
- Narule, G. N. and Shendge, A., (2017) “Effect of Mixed Fiber Reinforced Concrete Exposed to Different Exposure Condition”, International Research Journal of Engineering and Technology, Vol. 4(6), pp.3218-3221, June-July, 2017, ISSN 2229-5518.

- Narule, G. N. and Pandkar, S., (2017) “Comparative Study of Experimentation on Voided Slab Using ANSYS Workbench 14.5”, *International Journal for Research & Development in Technology*, Vol. 5, pp.382-383, May-June, 2017, ISSN 2349-3585.
- Narule, G. N. and Dhawal, P. (2016) “Analysis of P-delta effect on high rise buildings”, *International Journal of Engineering Research and General Science*, Vol. 4, pp.90-103, July-August, 2016, ISSN 2091-2730.
- Narule, G. N. and Kalshetty, P., (2016) “Analytical Study of response of multi-storey building under biaxial excitation” *Journal of pure & applied research in Engg & Tech.* Vol.4 (9) pp.228-239, (ISSN:2319-507X) April 2016.
- Narule, G. N. and Ulape, Y., (2015) “Experimental Investigation on Steel Fiber Reinforced Concrete using Metakaolin” *International Journal of Emerging Technology & Advanced Engineering*, Vol. 5, pp.105-111, (ISSN 2250-2459, ISO 9001:2008 ), April 2015.
- Narule, G. N. and Mendgule, A.V., “Analysis of Steel Structure against Progressive collapse” *International Journal of Engineering Research and General Science*, Vol.3, pp.456-462 (ISSN 2091-2730), June 2015.
- Narule, G. N. and Mendgule, A.V., “An experimental study of flexible pavement by using crumb rubber as binding material” *International Journal of Pure & Applied Research in Engineering & Technology*, Vol.1, pp.141-149, (ISSN: 2319-507X, April 2013.
- Narule, G. N. and More, B., “CO2 Absorbing Concrete Block” *International Journal of Technology Enhancements and Emerging Engineering Research*, vol 2, pp. issue 7 147-151, (ISSN 2347-4289), June 2014.
- Narule, G. N. and Palande, N. N., “ Analysis of Immersed Tube Tunnel helps to connect Mumbai and alibaug as a Transportation mean” *International Journal of Engineering Research and General Science*, Vol.1, (ISSN 2091-2730), August 2013.
- Narule, G. N. and Ahirkar, S., “Seismic Performance Based Analysis of Retrofitted Reinforced Concrete Buildings”, *International Journal of Engineering Research and General Science (IJAFRSE)* ,Vol. 1, pp. 379-389, (ISSN 2091-2730), June 2015.
- Narule, G. N. and Ahirkar, S., “Seismic Evaluation of Retrofitted Reinforced Concrete Framed Buildings”, *International Journal of Advance Foundation And Research in Science & Engineering (IJAFRSE)*, Vol. 3, pp. 556-566, (ISSN 2091-2730), October 2015.

### **Conference Publications:**

#### **National Level:**

- Narule, G. N., “Optimization of Road Pavement on Expansive Subgrade by use of Blast Furnace Slag”, “Proceedings of the National Conference on Innovative Trends for Technology Development”, at Datta Meghe Institute of Engg., Tech.& research, Sawangi-Wardha in association with ISTE. on dated 6<sup>th</sup>-7<sup>th</sup> January 2012.
- Narule, G. N., “Assessment of various surface failures along with effects using Historical Earthquakes”, “Proceedings of the National workshop on Earthquake and Design of earthquake Resistance structures”, at Padmabhooshan Vasantraodada Institute of Technology , Budhgaon, Sangli on dated 07Mar-2009.
- Narule, G. N., “Assessment of seismic effect variation from past earthquakes”, “Proceedings of the International Conference on Emerging Technologies in Civil Engineering (NCETCE-2008)”, at Padmashree Dr.Vithalrao Vikhe Patil College of Engineering, Ahmednagar ( Maharashtra).
- Narule, G. N., “Realistic Application of IRC class AA and 70R loading for the Design of Girder Bridge”, “Proceedings of the International Conference on Emerging Technologies in Civil Engineering for Sustainable Development”, at S.R.K.R.Engineering College, Bhimavaram (A.P).

#### **International Level:**

- Narule, G. N., Ulape, Y. B., “Performance on steel fiber reinforced concrete using metakaolin”, “Proceedings of the Second International Conference on Construction Materials and Structures (ICCMS-2022) ”, at NIT, Calikat, India, (14- 18th December 2022).
- Narule, G. N. , “Analytical behaviour of steel hybrid girder with opening in web”, “Proceedings of the Indian Structural Steel Conference – 2020”, at IIT Hyderabad, India, (06-08th January 2022).

- Narule, G. N. , “Flexural behaviour of cold form steel tube beam with infilled concrete of different grades”, “Proceedings of the Indian Structural Steel Conference – 2020”, at IIT Hyderabad, India, (06-08<sup>th</sup> January 2022).
- Narule, G. N. , Bambole, A. N., “Experimental analysis of RC rectangular and square columns confined using carbon fiber composites”, “Proceedings of the International Conference on Materials, Machines & Information Technology - 2022” (ICMMIT-2022)”, at Amity University Jharkhand (AUJ), Ranchi, India, (24<sup>th</sup> -25<sup>th</sup> January 2022).
- Narule, G. N. , Visapure, A.N. “Experimental investigation on compressive and flexural performance of Forta-fiber reinforced concrete”, “Proceedings of the International Conference on Materials, Machines & Information Technology - 2022” (ICMMIT-2022)”, at Amity University Jharkhand (AUJ), Ranchi, India, (24<sup>th</sup> -25<sup>th</sup> January 2022).
- Narule, G. N. and Kare, V., “Behavior of Concrete columns confined by using various FRP composite strips under axial loads”, “Proceedings of the International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD - 2019)”, at NIT Warangal, India, (13 - 15 September 2019).
- Narule, G. N. and Nikam, D., “Design mix for high strength concrete using VSI sand”, “Proceedings of the International Conference on Rehabilitation and Retrofitting of Structures”, at DAE center Anushkti Nagar, Mumbai, India, (24 - 25 June 2019).
- Narule, G. N. and Sharma, K., “Experimental study on confinement effectiveness of circular concrete filled steel tubular column with variable thickness under axial compression”, “Proceedings of the International Conference on Rehabilitation and Retrofitting of Structures”, at DAE center Anushkti Nagar, Mumbai, India, (24 - 25 June 2019).
- Narule, G. N. and Bhosale, A., “Reinforced concrete slab strengthened with carbon fibers experimental test result”, “Proceedings of the International Conference on Rehabilitation and Retrofitting of Structures”, at DAE center Anushkti Nagar, Mumbai, India, (24 - 25 June 2019).
- Narule, G. N. and Sonawane, K., “To Study flexural behaviour of RC rectangular beam strengthened with BFRP strips”, “Proceedings of the International Conference on Rehabilitation and Retrofitting of Structures”, at DAE center Anushkti Nagar, Mumbai, India, (24 - 25 June 2019).
- Narule, G. N. and Khatal, J., “Evaluation of strength of concrete by using self-healing bacteria”, “Proceedings of the International Conference on Rehabilitation and Retrofitting of Structures”, at DAE center Anushkti Nagar, Mumbai, India, (24 - 25 June 2019).
- Narule, G. N. and Bambole, A. N., “Axial performance of RC circular and square columns strengthened with CFRP composites”, “Proceedings of the 11<sup>th</sup> Structural Engineering convention”, at Jadavpur University, Kolkata, India, (19 - 21 December 2018).
- Narule, G. N. and Jadhav, J., “Flexural behaviour of RC beams retrofitted using near surface mounted basalt fiber bars”, “Proceedings of the 11<sup>th</sup> Structural Engineering convention”, at Jadavpur University, Kolkata, India, (19 - 21 December 2018).
- Narule, G. N. and Bambole, A. N., “Axial performance of RC square and rectangular columns strengthened with CFRP composites”, “Proceedings of the 3rd R.N. Raikar Memorial International Conference and Gettu-Kodur International Symposium on Advances in Science and Technology of Concrete”, under Indian chapter of American concrete Institute at Mumbai, India, (14-15 December 2018).
- Narule, G. N. and Borase, A. “Proposed planning and design of International Tennis Stadium in India”, “Proceedings of the 2<sup>nd</sup> International conference for Convergence in Technology(IEEE) ,” at Pune(I2CT-7<sup>th</sup> - 9<sup>th</sup> April 2017).
- Narule, G. N. and Bambole, A. N., “Slenderness effect on behaviour of CFRP wrapped RC circular column”, “Proceedings of the Structural Engineering convention”, at IIT, Bombay (2016).
- Narule, G. N. and Bambole, A. N., “Effect of cover to longitudinal reinforcement of square RC column for axially compression testing”, “Proceedings of the Structural Engineering convention”, at IIT, Bombay (2016).

- Narule, G. N. and Kalshety, P., “Dynamic analysis of flat slab RC structure”, “Proceedings of the International conference ICCMS”, at IIT, Bombay (2016).
- Narule, G. N., “Analysis of multi-storey building under biaxial excitation”, “Proceedings of the International conference ICCMS”, at IIT, Bombay (2016).
- Narule, G. N. and Bambole, A. N., “Shape effect study of FRPC wrapped concrete columns”, “Proceedings of the Structural Engineering convention”, at IIT Delhi (2014). ISBN: 978-9-38-489873-1.
- Narule, G. N., “Effect of Basalt fiber on the deflection of self-compacted slabs under fire”, “Proceedings of the International Conference on Science and Technology”, at S.B.Patil college of Engineering, Indapur in association with DST and ISTE on dated 21<sup>st</sup> -22<sup>nd</sup> February, 2014.
- Narule, G. N., “An experimental study of flexible pavement by using crumb rubber as binding material”, “Proceedings of the International Conference on Emerging Trends and Research in Engineering and Technology”, at IBSS college of Engineering ,Amrawati on dated 30<sup>th</sup>-31<sup>st</sup> March 2013.
- Narule, G. N., “Assessment of soil Properties for Civil Engineering Purpose”, “Proceedings of the International Conference on Emerging Trends in Engineering”, at Pravara Rural Engineering college, Loni (PICETE-2008)

**Workshop/ Seminar/ Short term course /FDPAttended:**

- Participated in one week AICTE Recognized Faculty Development Programme on,“Evaluation and Rehabilitation of Pavements”, organized by Civil Engineering Department, NITTTR, Chandigarh, India during 20<sup>th</sup> to 24<sup>th</sup> March, 2023.
- Participated in one week AICTE Recognized Faculty Development Programme on, “Low Cost Housing Techniques and Practices (Cluster)”, organized by Civil Engineering Department, NITTTR, Chandigarh, India during 13<sup>th</sup> to 17<sup>th</sup> March, 2023.
- Participated in One Week Faculty Development Program on " Urban Flood Risk Mitigation and Management" from 14<sup>th</sup> – 18<sup>th</sup> November, 2022 at R. H. Sapat College of Engineering, Management Studies and Research Nashik and Water Institute, University Visvesvaraya College of Engineering (UVCE) Bangalore University, Bengaluru.
- Attended AICTE One Week Online Short Term Training Program (STTP) on " Machine Learning-Applications in Civil Engineering" from 21<sup>st</sup> to 25<sup>th</sup> February, 2022 at Dr. J. J. Magdum College of Engineering, Jaysingpur (Under AICTE Quality Improvement Scheme (AQIS)).
- Attended AICTE-ISTE approved Orientation/Refresher Programme on" Recent Advancement in Environmental & Water Resources Engineering" from 29<sup>th</sup> December 2021 to 04<sup>th</sup> January 2022 at Civil Engineering department of Anjuman-I-Islams Kalsekar Technical Campus, School of Engineering & Technology, New Panvel, Navi Mumbai, Maharashtra.
- Attended AICTE ATAL Faculty Development Program on " Plastic Waste Management: Challenges & opportunities" from 23<sup>rd</sup> to 27<sup>th</sup> August 2021 at Central Institute of Petrochemicals Engineering & Technology, Lucknow.
- Attended AICTE ATAL Faculty Development Program on " Modern Trends in Civil Engineering & Construction Industry" from 2<sup>nd</sup> to 6<sup>th</sup> August 2021 at College of Engineering Kidangoor (Under CAPE - Established by Govt. of Kerala) Kidangoor South P.O Kottayam, Kerala-686583.
- Attended AICTE ATAL Faculty Development Program on "Strategies and Outcomes to Enhance sustainable Green Environment" from 19<sup>th</sup> to 23<sup>th</sup> July 2021 at University College of Engineering (BIT Campus) Tiruchirappalli -620 024.
- Attended AICTE ATAL Faculty Development Program on Sustainable Construction Materials organized by Department of Civil Engineering, Rajasthan Technical University, Kota from 5<sup>th</sup> to 9<sup>th</sup> July 2021.
- Participated in the "Virtual Tour of India's Largest Cement Manufacturing Plant - Rajashree Cement Works - Malkhed (Gulbarga)" held by, AISSMS College of Engineering - Pune, in association with Ultratech Cement Ltd., on 26<sup>th</sup> May 2021.
- Attended the webinar on Patent Process Overview, organized by Department of Mechanical Engineering, AISSMS College of Engineering, Pune, on dated 24/05/2021.
- Attended webinar on the Career opportunities in tunnel and construction engineering organized by MIT, Pune on dated 22/05/2021.

- Attended "Webinar Series 2021 - 'Guiding Students to Select Meaningful Engineering Projects' " organized by La Fondation Dassault Systemes, on dated 20/05/2021.
- Attended the online web seminar: IPR- Best Practices for Innovators organized by ASSOCHAM INDIA on dated 19/05/2021.
- Attended the National Webinar On “Civil Engineering Career Opportunities in Technology and Learning Platforms under “JAL JEEVAN MISSION”, held on 15th May 2021 in Department of Civil Engineering, D.K.T.E. Society's Textile and Engineering Institute Ichalkaranji, Maharashtra.
- Participated as a Panel member in three days “online workshop for drafting of TE Civil 2019 pattern syllabus” organized by AISSM College of engineering, Pune from 3rd to 5th May 2021.
- Attended International FDP on “Evolution construction Industry to address infrastructural challenges” jointly organized by AISSSM, Pune, Superior Construction (Indiana, USA) and UltraTech Cement Pvt Ltm.,Pune on 23<sup>rd</sup> April,2021.
- Attended one week online Faculty Development Program on “Entrepreneurship in Material Testing and consultancy Services in Civil Engineering (NABL Accreditation)” Dr. D. Y. Patil School of Engineering, Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohgaon,Pune, from 21<sup>st</sup> to 25<sup>th</sup> December 2020.
- Participated in One Week AICTE-ISTE Approved Orientation/Refresher Programme on, “Innovative Teaching-Learning Methods”, held at VBKBIET, Baramati on 07<sup>th</sup> Dec.2020 to 12<sup>th</sup> Dec 2020.
- Participated in online One Week faculty development programme on, “Innovation, Entrepreneurship and its Relevance in Industry 4.0 Practices in the Post Covid-19 Situation”, held at Terana college of Engineering, Mumbai on 25<sup>th</sup> -29<sup>th</sup> May, 2020.
- Attended One week short term training programme through ICT Mode on “Assessment and evaluation under outcome based education” organized by NITTTR, Kolkata, from 10<sup>th</sup> to 14<sup>th</sup> June 2019.
- Participated in one day workshop on BE. Civil(2015) Pattern Syllabus Revision organized by SPPU, Pune at MIT,Pune on 29<sup>th</sup> January 2018.
- Participated in One Week AICTE-ISTE Approved Refresher Program on,“SYNERGOGY”, held at VBKBIET, Baramati on 24<sup>th</sup> Oct.to 28<sup>th</sup> Oct. 2017.
- Participated in SPPU sponsored National level two days’ workshop on “Steel Design –Bridging the Gaps: Theory &Practice” held at VBKBIET, Baramati on 13<sup>th</sup> -14<sup>th</sup> January, 2018.
- Participated in one day workshop on“ Academic & Administrative Audit” held at VIIT, Baramati on 18<sup>th</sup> February 2017.
- Attended Two week ISTE STTP on “Environmental Studies” conducted by IIT, Bombay, under National mission on education through ICT(MHRD) 2 June-12 June 15.
- Participated in Phase 2 (Pedagogy for Effective use of ICT in Engineering Education) of ‘Pedagogy workshop for Teaching Faculty in QEEE Institutes’ held at VPCOE, Baramati from 24 July to 26 July 2014.
- Participated in seminar on “Geotechnological Infrastructure & Equipment Technology”organized by Structural Engineering Department, Veermata Jijabai Technological Institute (VJTI), Mumbai on dated 27th Sept. 2014.
- Participated in Ph.D. Colloquium sponsored by TEQIP for Research Scholars organized by VJTI, Mumbai in collaboration with Indian Institution of Industrial Engineering during 3<sup>rd</sup> and 4<sup>th</sup> March 2014.
- Attended workshop on “Experimental Structural Dynamics, Structural Health Monitoring and Non-Destructive Evaluation Using Smart Materials “organized by IETE, New Delhi,Indian Institute and IVS Noble Solutions on dated 26<sup>th</sup> Oct,2013.
- Attended workshop on “New Credit System for PG course”organized by Board of Studies, Civil Engineering (University of Pune) at Amrutvahini College of Engineering, Sangamner on 22<sup>nd</sup> June,2013.
- Attended One week short term training programme approved by TEQIP on “Soil structure interaction using computer and realistic constitutive models” organized by Structural Engineering Department, VJTI,Mumbai from 24<sup>th</sup> to 28<sup>th</sup> February 2013.
- Attended one week Faculty development programme on “Recent Trends in Finite Element Method and Introduction to boundary element and mesh –free method” organized by Structural Engineering Department, VJTI,Mumbai from 18<sup>th</sup> to 22th February 2013.
- Attended workshop on “Teaching Methodologies’ for Construction and Management related subjects in Civil Engineering “organized by Board of studies , Civil Engineering (University of Pune) at V.I.I.T College of Engineering, Pune on 3<sup>rd</sup>March, 2012.
- Attended Two–week ISTE workshop on “ Solar Photovoltaic: Fundamentals, Technologies and Applications



“Conducted by Indian Institute of Technology, Bombay, MHRD and MNRE from 12<sup>th</sup> to 22<sup>nd</sup> December, 2011.

- Attended workshop on “Drafting of syllabus of Third year Civil Engg.” organized by Board of studies, Civil Engineering (University of Pune) at A.I.S.S.M.S.’s College of Engineering, Pune.
- Attended “Short term Introductory course on IS 800-2007” “Organized by Department of applied Mechanics, Visvesvaraya National Institute of Technology, Nagpur.
- Attended workshop on “Implementation of revised syllabus of the subjects BASIC Civil and Environmental Engineering and Engineering Mechanics” organized by Board of Studies, Civil Engineering (University of Pune) at G.H. Raison Institute of Engineering and Technology, Pune (9<sup>th</sup> April-2008).
- Attended workshop on “Background to limit state Design of cold-formed steel Members” jointly organized by Structural Engineering research center, Chennai and Indian Institute of Technology Madras. (17 Dec-2007).
- Attended workshop on “Emerging Technologies in Civil Engineering for Sustainable Development” at S.R.K.R. Engg. College, Bhimavaram (A.P.).
- Attended QIP Short term course on “Geotechnical Earthquake Engineering” at Indian Institute of Technology Roorkee (Uttaranchal).
- Attended workshop on “Teacher Competency Building Programme organized by Vidya Pratishthan’s College of Education in collaboration with Vidya Pratishthan’s College Engineering, Baramati.
- Attended seminar on “High Performance Concrete” organized by I.C.M.R.
- Attended “A four-day training course on Engineering Dynamics” organized by MAEER Pune” Maharashtra Academy of Engineering, Alandi.

#### **Workshops/Seminars/Conferences Organized:**

- Workshop on **Digital World of Structural Engineering** in collaboration with Ms. Anupama Ramnavmiwale, Chartered Engineer-ISTructE UK, Under the Center for Infrastructure Health Monitoring (2021-22).
- Seminar on **Employability challenges for Civil Engineers to Earn Good Job** in collaboration with Sameer Alone (Founder Director & CEO, Infini Institute of CPM) (2021-22)
- Two days workshop on **Google Sketchup** in collaboration with Mechanical Engineering under center of excellence (2019-20).
- One day workshop on **Construction practices and new construction materials for Skill building** at VPKBIET Baramati in collaboration with UltraTech Cement Pvt. Ltd. under ISSE (2016-17).
- Three days workshop on **Seismic Evaluation, Strengthening and Optimization of Multi-Storey Buildings** at VPCOE Baramati under ISSE (2014-15).
- 10 days workshop on **STAAD-Pro** in collaboration with CAAD Center, Pune for students (2013-14).
- Workshop on **Advances in Concrete and introduction of Holcim International Award-2014** in collaboration with ACC cement industry, (2013-14).
- Seminar on **Advances in cement and Concrete Production** in collaboration with UltraTech (2013-14).

#### **MOOC/NPTEL**

- Design of RC Structures (12 weeks – 87% Elite+ Silver)
- Developing Soft Skill and Personality (08 weeks – 82% Elite+ Silver)
- Innovation, Business Model and Entrepreneurship (08 weeks – 64% Elite)
- Emotional Intelligence (08 weeks - 69% Elite)
- Outcomes Based Pedagogic Principles for Effective Teaching (04 weeks – 75% Elite)
- Enhancing Soft Skill and Personality (08 weeks – 80% Elite+ Silver)
- Speaking Effectively (08 weeks – 83% Elite+ Silver)
- Technical English of Engineers (08 weeks – 84% Elite)
- Basic Finite Element Analysis-I (08 weeks – 76% Elite)

#### **Book /Book Chapter Published/IPRs/Patents**

Giridhar Narule and Dr. Abhay Bambole, “Shape Effect Study of FRPC Wrapped Concrete Columns”, Book chapter in Book, “Materials, Design and Testing”, PP.No.4380-4393, Bloomsbury Publishing India Pvt Ltd 2015, ISBN 978-93-84898-71-7.

## ACADEMIC AND ADMISTRATIVE RESPONSIBILTIES

**2005-2010-** Departmental Lab development, Testing and Consultancy Coordinator.

**2010-2016-** Head, Civil Engineering

**2016-2019-** PG- Coordinator, NAAC Coordinator, Purchase Committee Member, NBA Criteria Coordinator, VP's Annual Stock Taking Board as Presiding officer.

**2019- 2021-** Head, Civil Engineering, Purchase Committee Member

**2021- Till Date-** Head, Consultancy, VPKBIET, Baramati

## SCHOLASTIC ACHIEVEMENTS

- Generated funds through work as **Water Auditor for Public buildings** under Baramati Municipal corporation, Daund Municipal corporation and Saswad Municipal corporation.
- Generated funds through work as **Structural Stability Auditor for Public buildings** under Baramati Municipal corporation, Baramati.
- Generated funds through work of **Technical Auditor for construction works** of concreting of roads in lanes and laying of drainage line and handling site of construction of road over bridge from TC college to Bhigwan road at Km.308/4-5 near Baramati Railway Station- Contractor-Manoja Sthapatya Pvt.Ltd under Baramati Municipal Council, Baramati(2016-18)
- Received Grant for Non-Destructive testing of existing structure and rehabilitation under **AICTE-MODROBS(2012-13)**
- **Design of basketball court** in Engineering campus as per international standard.
- Worked for Leveling, layout and contour mapping **at Indapur Engineering Campus.**
- Worked for layouting of B.ED and D. ED college in VP Campus.
- Worked for **checking report of civil works** in Engineering Campus.
- Worked for **repair and maintenance** in Engineering Campus.
- Provided services to **HiTECH Textile Park Baramati** for leveling, **geotechnical investigation** and demarcation of plots.
- Worked in extension of runway on site of **Airport, Baramati.**
- Planned for setting of each **lab of Civil Engineering department.**
- Developed **consultancy and testing services** in Civil Engineering department.