

Faculty Profile



Name	Dr. Chittaranjan Birabar Nayak					
Department	Civil Engineering					
Designation	Associate Professor					
Area of Specializations	Structural Engineering					
Date of Joining the Institute	07/07/2009					
Contact Number	+919049171863					
Email-Id	hod.civil@vpkbiет.org , chittaranjan.nayak@vpkbiет.org , cbnnayak@gmail.com					
Qualifications with class/grade	UG: B.E. (Civil Engineering - 71.11 % - 2007 , PG: M. Tech. (Structural Engineering-GCOE, Amravati - 8.93 CGPA) – 2009 PhD: Structural Engineering (SPPU, Pune) - 2018					
Total Experience	Teaching	15 Years	Industry	1 Years	Research	0.5 Years
Patent (Published and Granted)	National	03		International		
Paper Published (Reputed Journals, Scopus, and SCI)	National	01	International	24		
Paper Presented in Conferences/National /International	National	40	International	18		
No. of FDP/Workshops/STTPs attended	35					
Books Published	03					
No. of Projects Guided	UG	28	PG	49	PhD	5
Professional Memberships	Life member of Indian Society for Technical Association, Life member of Indian Society for Earthquake Technology, National Information Centre of Earthquake Engineering, IIT Kanpur					
Consultancy Activities	Structural Audit, Third Party Audit, Material Testing					
Awards & Recognition	<ul style="list-style-type: none"> MHRD GOI scholarship (GATE) for M. Tech. (July 2007-June 2009). Recognized as Post Graduate Teacher/ Supervisor by Savitribai Phule Pune University to Guide M.E. Scholars in Civil Engineering Branch of specialization in Structural Engineering Vide order No: BUTR/Engg./44/213 on dated 17/02/2014. Received National award “The John C Gammon Prize- 2021 ” from The Institution of Engineers (India), December 26-28, 2021 Ph.D. research guide of Savitribai Phule Pune University, Pune, Vide order No: BOD/Sci. & Tech./05/112 on dated 29/03/2022 Civil Engineering Head of the Department, VPKBIET, Baramati Academic Excellence Award -2022 by builder Association of India center- Baramati 					
Grants Fetched	<ul style="list-style-type: none"> Vibration control of Civil structures using piezoceramic smart materials (2013-15), Rs.1,80,000/- (Savitribai Phule Pune University) Young Scientist/ Teacher Travel Grant for attending International Conference at Department of Civil Engineering, University of Peradeniya, Peradeniya, Sri Lanka, (2017) Rs.25,000/- (Savitribai Phule Pune University) Damage detection and characterization strategy of non-engineering structures using PZT sensor : Theory and Practice (2019) Rs. 75000/- (Science and Engineering Research Board (DST)) Damage detection strategy of structures using smart materials : Theory and Practice, (2019) Rs. 75500/- (Savitribai Phule Pune University) 					
Research Projects Completed/Ongoing	<ul style="list-style-type: none"> Vibration control of Civil structures using piezoceramic smart materials (2013-15), Rs.1,80,000/- (Savitribai Phule Pune University) 					
View Google Scholar, Research Gate, SCOPUS ,ORCID Profile, Web of Science	https://scholar.google.com/citations?user=hom4ODm-D38C&hl=en https://www.researchgate.net/profile/Chittaranjan-Nayak-2/publications https://www.scopus.com/authid/detail.uri?authorId=57211436632 https://orcid.org/0000-0002-6669-7088 https://www.webofscience.com/wos/author/record/918380					
Other Research Outcome	<ul style="list-style-type: none"> Recognized Reviewers of various National and International Reputed Journals Resource person for various National conference, workshops, FDPs, STTP University Subject Chairman Chairman for drafting of university syllabus of various subject Local Inspection Committee member of SPPU 					

Patent

1. Published Indian Patent “Digital numerical evaluation of the behaviour of a reinforced concrete building”. Publication Number: 49/2021.
2. Published Indian Patent “Design of framework to trace/detect unusual financial transactions using machine learning”. Application No: 202241046896.
3. Indian Patent “Framework using augmented reality for enhancing the interest in the subject during online sessions”. Application No: 202241046397.

Journal Publications:

1. S. Bengal, A. Thomar, **C. B. Nayak**, “Partial Replacement of Concrete by Sticky Rice and Jaggery-A Review”, Macromolecular Symposia, 2023, In Production.
2. A. Disale, **C. B. Nayak**, N. Suryawanshi, N. Jadhav, U. Jagdale, S. Thakar, S. Pandey, P. Sharma, A Saxena, G, Kate “A review of concrete without cement produced using fly ash based geopolymer,” Macromolecular Symposia, 2023, In Production.
3. **C. B. Nayak**, A. Disale, N. Suryawanshi, N. Jadhav, U. Jagdale, G. Bhoite, S. Thakar, S. Pandey, “Monitoring and accelerated methods of reinforced concrete corrosion: A review” Macromolecular Symposia, 2023, In Production.
4. A. Disale, **C. B. Nayak**, N. Suryawanshi, N. Jadhav, U. Jagdale, S. Thakar, S. Pandey, P. Sharma, A Saxena, “ Evaluating properties of green concrete produced using waste marble powder, quarry dust and paper pulp”, Macromolecular Symposia, 2023, In Production.
5. **C. B. Nayak**, A. Disale, N.S. Zanjad “Application of Lightweight Cenosphere in Construction Material: A Review” Macromolecular Symposia, 2023, In Production.
6. S. Bengal, A. Thomar, **C. B. Nayak**, “Organic admixtures as additive: an initiative to reduce carbon dioxide emission due to concrete,” Macromolecular Symposia, 2023, In Production.
7. N. S. Zanjad, S. Pawar, **C. B. Nayak**, “Self-healing molecular biology for Microbial concrete: A Review”, Macromolecular Symposia, 2023, In Production.
8. N. T. Suryawanshi, **C. B. Nayak**, S. B. Thakare, G. K. Kate “Optimization of self-cured high strength concrete by Experimental and Grey Taguchi modeling”, Iranian Journal of Science and Technology Transactions of Civil Engineering, 2022, In-Press. <https://link.springer.com/article/10.1007/s40996-022-00897-8>.

9. **C. B. Nayak**, U. T. Jagadale, S. B. Thakare, W. N. Deulkar, N. T. Suryawanshi, G. K. Kate “Seismic Vulnerability Assessment for Various Shapes and Types of Reinforced Concrete Shear Walls in Multi-Storey Buildings” Proceedings of Engineering and Technology Innovation, April 2022, DOI: 10.46604/peti.2022.8372. <https://ojs.imeti.org/index.php/PETI/article/view/8372>
10. N. Zanjad, S. Pawar, **C. B. Nayak**, “Use of fly ash cenosphere in the construction Industry: A review”, Materials Today: Proceedings, 2022, <https://doi.org/10.1016/j.matpr.2022.03.362>.
11. S. N. Bengal, L. S. Pammar, **C. B. Nayak**, “Engineering application of organic materials with concrete: A review”, Materials Today: Proceedings, 2022, <https://doi.org/10.1016/j.matpr.2022.02.390>.
12. **C. B. Nayak**, S.N. Khante, “Linear transient dynamic analysis of plates with and without cut out”, Arabian J. for Science and Engineering, 2021, In Production. <https://link.springer.com/article/10.1007/s13369-021-05523-9>
13. **C. B. Nayak**, “A state-of-the-art review of vertical ground motion (VGM) characteristics, effects and provisions” Innov. Infrastruct. Solut. 2021, In Production. <https://link.springer.com/article/10.1007/s41062-021-00491-3>
14. **C.B. Nayak**, G.N. Narule, H. Surwase “Structural and Cracking Behaviour of RC T-Beams Strengthened With BFRP Sheets by Experimental and Analytical Investigation”, Journal of King Saud University- Engineering Sciences, 2021, In Press. <https://www.sciencedirect.com/science/article/pii/S1018363921000015>
15. G.K. Kate, **C.B. Nayak**, S. B. Thakare “Optimization of Sustainable High Strength-High Volume Fly Ash Concrete with and without Steel Fiber using Taguchi Method and Multi-Regression Analysis”, Innov. Infrastruct. Solut., 2021, In Production. <https://link.springer.com/article/10.1007/s41062-021-00472-6>
16. **C.B. Nayak**, U. T. Jagadale, K. M. Jadhav, S. G. Morkhade, G. K. Kate “Experimental Analytical and Numerical Performance of RC Beams With V-Shaped Reinforcement”, Innov. Infrastruct. Solut., 6, 2 (2021). <https://doi.org/10.1007/s41062-020-00363-2>.
17. **C.B. Nayak**, S. U. Sayyad, R. R. Khartode, U. T. Jagadale, S. G. Morkhade “A Parametric Analysis of Adjacent Elevated Service Reservoir with Structural Coupling at Various Locations”, SPRINGER Nature, (2020), In Production. https://link.springer.com/chapter/10.1007/978-981-15-9976-7_7

18. **C.B. Nayak**, M. A. Jain, S B Walke, "Parametric Study of Dome with and Without Opening", J. of the Institution of Engineers (India) Series A, 101, 463–475 (2020). <https://doi.org/10.1007/s40030-020-00447-3>.
19. **C. B. Nayak**, "Experimental and numerical investigation on compressive and flexural behavior of structural steel tubular beams strengthened with AFRP composites" Journal of King Saud University- Engineering Sciences, 2020, ISSN 1018-3639 <https://doi.org/10.1016/j.jksues.2020.02.001>.
20. S. G. Morkhade, F. P. Kumthekar, **C. B. Nayak**, "Analytical study of steel I-beam with stepped flanges", International journal of optimization in civil engineering, 2020, 10(2): 217-229.
<https://www.semanticscholar.org/paper/ANALYTICAL-STUDY-OF-STEEL-I-BEAM-WITH-STEPPED-Morkhade-Kumthekar/baf724861ec20a77d653b9ccceadefb5c7845304>
21. U. T. Jagadale, **C. B., Nayak**, A. Mankar, S. B. Thakare, W.N. Deulkar, "An experimental-based python programming for structural health monitoring of non-engineered RC frame", Innov. Infrastruct. Solut., Vol. 5, Issue, 10, pp- 1- <https://doi.org/10.1007/s41062-020-0260-x>.
22. **C. B. Nayak** and S B Thakare, "Seismic performance of existing water tank after condition ranking using non-destructive testing", International Journal of Advanced Structural Engineering. Vol. 11, pp-395–410, DOI: 10.1007/s40091-019-00241-x
23. S.G Morkhade, and S. M. Baswaraj, **C. B. Nayak** "Comparative study of effect of web openings on the strength capacities of steel beam with trapezoidally corrugated web", Asian Journal of Civil Engineering, Vol. 20, Issue 8, pp1089–1099, 2019. <https://doi.org/10.1007/s42107-019-00166-6>.
<https://link.springer.com/article/10.1007/s42107-019-00166-6>
24. **C. B. Nayak**, "Experimental and Numerical Investigation for Strengthening of Steel Beams using Aramid Fiber Reinforced Polymers", Journal of Engineering Science and Technology, Status: Accepted with minor corrections. (SCI and Scopus Indexed).
<https://www.sciencedirect.com/science/article/pii/S1018363919306646>
25. **C. B. Nayak**, N. S. Thorat, S B Thakare, "Corrosion impact analysis on residual life of structure using cathodic technique and Algor simulation software", Engineering Structures and Technologies, Vol. 10, No. 1, pp-18-26, 2018.
<https://doi.org/10.3846/est.2018.1468>.
26. **C. B. Nayak** and Dr. S. B. Thakare, "Analysis and retrofitting of elevated water tank in Pune district: by Uttarkashi Earthquake", Journal of Engineering

Technology, (SCI and Scopus Indexed) Vol. 6, P. 201-211, 2017.
<http://www.joetsite.com>.

27. **C B Nayak**, M.K Tade and Dr. S B Thakare, "Strengthening of Beams and Columns using GFRP Bars", IOP Conf. Science: Materials Science and Engineering, Vol.225, pp. 1-8, 2017. doi:10.1088/1757-899X/225/1/012144.
<https://iopscience.iop.org/article/10.1088/1757-899X/225/1/012144/pdf>
28. **C. B. Nayak** and Chandak S. Vedant, "Numerical Assessment of Probability of Detecting Defects In Civil Structures", NICMAR Journal of Construction Management Vol. XXXII, No. I, pp- 28-35, 2017.
29. **C. B. Nayak**, "Corrosion Monitoring of Reinforced Concrete Structure", International Journal of Research in Advent Technology (E-ISSN: 2321-9637), pp. 85-89, 2016.
30. **C. B. Nayak** and Suraj Pawar, "An Experimental Study On Vibration Control Of Civil Structure Using Smart Materials," International Journal Of Multidisciplinary Research, Vol.1, Issue 10(III), January 2013, ISSN:2277-9302.
31. **C. B. Nayak** and S.D.Uttekar, "A Review on Seismic Response of RC Building on Sloping Ground," International Journal of Engineering Research. Vol.5, Issue: Special 3, pp: 701-704, 2016, ISSN: 2319-6890(online), 2347-5013(print).
<https://www.i-scholar.in/index.php/IJER/article/view/159305>

International Conference Publications:

1. **C.B. Nayak**, S. Walke and S. Kokare, "Optimal Structural Design of Diagrid Structure for Tall Structure", International Conference on System Reliability, Quality Control, Safety, Maintenance and Management, G. H. Raisoni College of Engineering and Management, 1st-2nd February 2019. Springer Nature Singapore, pp. 263-271. DOI: 10.1007/978-981-13-8507-0_39.
https://link.springer.com/chapter/10.1007/978-981-13-8507-0_39
2. U. T. Jagadale, R. D. Kharade, **C. B. Nayak** and W. D. Deulkar, "Experimental Investigation For Damage Evaluation of Bridges Using Piezo-Transducers", In: Prashant A., Sachan A., Desai C. (eds) Advances in Computer Methods and Geomechanics. Lecture Notes in Civil Engineering, vol 56. Springer, Singapore, 2020. https://doi.org/10.1007/978-981-15-0890-5_27.
3. U. T. Jagadale, **C. B. Nayak** and G. N. Narule "Structural Health Monitoring Using Piezo-Ceramics Smart Material", 9th International Conference of Structural Engineering and Construction Management 13th-15th December 2018, University of Paradeniya, SriLanka.

4. V. S. Kare, **C. B. Nayak**, U. T. Jagadale, and W. D. Deulkar, "Earthquake Response of 3D Frames with Strap Footing Considering Soil Structure Interaction", Techno-Societal 2018, SAVERI, Pandharpur, 14th-15th December 2018. https://link.springer.com/chapter/10.1007/978-3-030-16848-3_81
5. Miss. A. Jagtap and **C. B. Nayak**, "Corrosion Monitoring of RCC Structure By Using Corrosion Expansion Sensor", Techno-Societal 2018, SAVERI, Pandharpur, 14th-15th December 2018. https://link.springer.com/chapter/10.1007/978-3-030-16848-3_20
6. C. B. Nayak, P. Shaha, and P. Kamatchi , "Effect of Vertical Ground Motions on The Response of Long Span Roof Truss", The 16th Symposium on Earthquake Engineering, Department of Earthquake Engineering, IIT Roorkee, 20th-21st December 2018.
7. **C. B. Nayak** and S. B. Thakare, "Seismic Behaviour of Existing Retrofited Elevated Water Tank after NDT Investigations Using SAP 2000", on the 8th International Conference on Structural Engineering and Construction Management 2017, Earl's Regency Hotel, Kandy, Sri Lanka, 2017. <https://iopscience.iop.org/article/10.1088/1757-899X/225/1/012144/pdf>
8. **C. B. Nayak** and Dr. S. B. Thakare, "Strengthening of Beams and Column using GFRP Bars", in International Conference on Advance Material Technology 2016 at Vishakhapatnam AP ,India.C. B. Nayak, "Lateral Analysis of Elevated Reinforced Concrete Silos", in International Conference on Emerging Trends & Research in Engineering, Science and Technology ,30 &31 March 2016 at IBSS, Amravati. <https://iopscience.iop.org/article/10.1088/1757-899X/225/1/012144/pdf>
9. **C. B. Nayak** and Dr. S. B. Thakare "Retrofitting and Rehabilitation of Elevated Water Tank after Investigation of Corrosion Status by Using Nondestructive Techniques" on International congress on computational mechanics and simulation organized by IIT, Bombay 7th June to 1st July 2016.
10. **C. B. Nayak** and Dr. S. B. Thakare "Investigation of Corrosion Status in elevated water tank by Using Nondestructive Techniques in Baramati Region" International conference on construction real estate, infrastructure and project management NICMAR, Pune Oct 2016 Pune.
11. **C. B. Nayak** and Dr. S. B. Thakare "A Review Paper on Retrofitting and Rehabilitation of Elevated Water Tank", in International Conference on Recants Developments in Engineering and Technology, at Dr Pauls Engineering College, Tamilnadu, India, 2015.

- 12., V. V. Balgude, **C. B. Nayak** and S.B.Walke, “Experimental Study on Crimped Steel Fiber Reinforced Concrete Deep Beam in Shear”, “International Conference on Advance in Civil and Mechanical Engineering Systems”, 23-24 December, 2014, Govt. College of Engineering, Amravati. Paper ID: C075.
<https://link.springer.com/article/10.1007/s41062-021-00638-2>
- 13.**C. B. Nayak**, P.R. Admle and A.A.Sukhdeve , “Retrofitting and Rehabilitation of Elevated Water Tank by Using Construction Chemicals”, “International Conference on Science and Technology 2014”,21-22 February,2014,Vol:I (ICST-2014).
- 14.**C. B. Nayak**, “Mitigation of Seismic Response of Reinforced Concrete Buildings Using Coupled Building Control” in International Conference on Science and Technology 2K14 at SBPCOE, Indapur, Dist- Pune.
- 15.**C. B. Nayak**, U. T. Jagdale, S. B. Walake “Effectiveness Of Reinforced Concrete Shear Wall In Multistoried Building”, in International Conference on Science and Technology 2K14 at SBPCOE, Indapur, Dist- Pune.
- 16.**C. B. Nayak**, “Effect of Pozzolanas on Fiber Reinforced Concrete” in International Conference on Science and Technology 2K14 at SBPCOE, Indapur, Dist- Pune.
<https://www.sciencedirect.com/science/article/abs/pii/S0958946504001507>
- 17.**C. B. Nayak**, “An Experimental Study on Vibration Control of Civil Structure using Smart Materials”, in International Conference on Commerce, Management, Engineering, 22 January, 2013 at Hotel Aurora Towers, Pune.
- 18.**C. B. Nayak**, “Compacted Stabilized Earthen Block”, in International Conference on Emerging Trends & Research in Engineering, Science and Technology ,30 &31 March 2013 at IBSS, Amravati.

National Conference Publications:

1. U. T. Jagadale, S. Inamdar, **C. B. Nayak** and W. N. Deulkar “Structural health monitoring using PZT: A Review,” in National Conference on Technology development in civil and Mechanical Engineering TDCME, 15th -16th March 2018 at SBPCOE, Indapur, Dist- Pune.
<https://repo.journalnx.com/index.php/nx/article/view/2435>
2. **C. B. Nayak** and S. B. Thakare “Retrofitting and Rehabilitation of Elevated Water Tank After Investigation of Corrosion Status by Using NDT Techniques: A Case Study”, in National Conference on Technical Revolution ,10 & 11 March 2016 at Ananatrao Pawar college of Engineering, Parvati, Pune.
3. **C. B. Nayak** and S. B. Thakare “Seismic Analysis And Retrofit of Existing Elevated Water Tank In India-An Overview with A Case Study”, in National

Conference on Technical Revolution, 9 January 2015 at Ananatrao Pawar college of Engineering, Parvati, Pune.

4. **C. B. Nayak**, “Detailed Assessment of Progressive Collapse of Steel Structure”, in National Conference on Technical Revolution, 9 January 2015 at Ananatrao Pawar college of Engineering, Parvati, Pune.
5. **C. B. Nayak**, “ Dynamic Response of Reinforced Concrete Buildings Under Earthquake Excitation Using Coupled Building Control ”, in National Conference on Technical Revolution, 9 January 2015 at Ananatrao Pawar college of Engineering, Parvati, Pune.
6. **C. B. Nayak**, “ Vibration Control of Civil Structures Using Piezoceramic Smart Materials ”, in Regional Research Conference for Engineering Teachers, 6th July 2015 at Padmashree Dr. D. Y. Patil Institute of Engineering Management and Research, Akurdi, Pune.
7. **C. B. Nayak**, “ Non-destructive Corrosion Rate Monitoring for Reinforced Concrete Structures”, in National Conference on Technical Revolution, 9th January 2015 at Ananatrao Pawar college of Engineering, Parvati, Pune.
8. **C. B. Nayak**, “Vibration Control of Civil Structures Using Piezoceramic Smart Materials”, Innovation 2014” Regional Research Conference for Engineering Teachers, 2nd May 2014 at Amrutvahini College of Engineering, Sangamner.
9. **C. B. Nayak**, “NDT Chemical test to Investigate Corrosion Status”, in National Conference on Emerging Trends in Engineering and Technology-2012, 28 February 2012 at VPCOE, Baramati.
10. **C. B. Nayak**, P. Kadam, G. Mukadam, K. Khatri, “ Fly Ash Based Geopolymer Concrete without Cement”, in National Conference on Emerging Trends in Engineering and Technology-2012, 28 February 2012 at VPCOE, Baramati.
11. **C. B. Nayak**, G. Bang, Y. Deshmukh, P. Bhattad, M. Dhoka, “ Green Concrete : Using Industrial Waste of Marble Powder, Quarry Dust and Paper Pulb”, in National Conference on Emerging Trends in Engineering and Technology-2012, 28 February 2012 at VPCOE, Baramati.
12. **C. B. Nayak**, “An Analysis of the factors Influencing Electrochemical Measurement of the Condition of Reinforcing Steel in Various Concrete Structure” in National Conference on Science and Technology 2012 at SBPCOE, Indapur, Dist- Pune.
13. **C. B. Nayak** and Dr. S. Khante, “Linear dynamic analysis of eccentrically stiffened plates with / without cut-out”, in National Conference on recent development in Applied Mathematical Science and Engineering at Jalpaiguri, Government College of Engineering, West Bengal.

Books Published

Sr. No.	Year of Publication	Book Title	ISBN/ ISSN No.	National / International	Publisher
1	2022	Quantity Surveying, Contracts And Tenders	978-93-5563-315-6	National	TechKnowle dge
2	2020	Quantity Surveying, Contracts and Tenders	978-93-89748-41-3	National	Tech- Max
3	2016	Quantity Surveying, Contracts and Tenders	978-93-5077-464-9	National	Tech- Max
4	2013	Earthquake Resistant Building Construction	978-93-5224-545-1	National	Tech- Max
5	2015	Basic Civil & Environmental Engineering	978-73-5158-354-7	National	Success Publications

STTP /Workshop Attended:

1. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Remote Sensing Applications with Machine Learning" from 30/01/2023 to 10/02/2023 at Yeshwantrao Chavan College of Engineering, Nagpur.
2. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Sensor based System Design using Graphical Interface" from 20/09/2021 to 24/09/2021 at KLS Gogte Institute of Technology.
3. Participated and Completed AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Natural Ventilation and Building Design in Tropical Regions" from 13/09/2021 to 17/09/2021 at School of Planning and Architecture, Vijayawada, Andhra Pradesh. (An Institute of National Importance under Ministry of Education).
4. Participated & Completed Successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Advances in Forensic Analysis in Civil Engineering" from 27/09/2021 to 01/10/2021 at KalingaInstitute of Industrial Technology.
5. Participated & Completed Successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Recent Developments in construction Technology addressing Infrastructure and Costal Engineering" from

09/08/2021 to 13/08/2021 at Dr. D. Y. Patil Institute of Technology, Pimpri, Pune.

6. Participated in STTP “Principles of RCC Design up to & beyond Limit States, Applications and Limitations of IS:456-2000” conducted by National Institute Of Technical Teachers’ Training & Research, Organized by Vidya Pratishthan’s Kamalnayan Bajaj Institute of Engineering and Technology, Baramati September 2019.
7. Participated in STTP on Rural Development through Technical Institution (ICT08)” from 29/07/2019 to 02/08/2019 conducted by NITTR Kolkata in ICT Mode (Online) at VPKBIET Baramati.
8. Participated SPPU sponsored national level two days workshop on, “Steel design- Bridging the gaps: Theory & Practice, organized by S.B. Patil College of Engineering, Indapur, 13th -14th January 2018.
9. Participated One week STTP on, “Structural Audit & Health Monitoring of Building using NDT Analysis”, organized by S.B. Patil College of Engineering, Indapur, 7th -11th May 2018.
10. Participated One week STTP on, “Application of Total Station, Green Building Concepts and Design of Structures: Field Practices”, Organized by S.B. Patil College of Engineering, Indapur, 2018.
11. Participated on AICTE approved Induction Programme SYNERGOGY organized by VPKBIET, Baramati, 2017.
12. Participated One week STTP on, “Effective Thesis writing and Research Methodology for Researcher and PhD Aspirants”, Organized by S.B. Patil College of Engineering, Indapur, 2017.
13. Participated on one week AICTE approved faculty Development Programme on, “Pedagogy for Online and Blended Teaching – Learning Process”, conducted by IIT Bombay, 2017.
14. Participated on one week AICTE approved faculty Development Programme on, “Foundation Program in ICT for Education”, conducted by IIT Bombay, 2017.
15. Attained One-week QIP Short term Course on “Finite Element Method & Application in Civil Engineering”, Organized by IIT Bombay at Mumbai on July 04-08, 2016.
16. Attained one day workshop on “BE Civil (2012 Course) Syllabi Drafting”, Organized by AISSMS College of Engineering, Pune on 2015-2016.
17. Participated as a faculty in charge for topic “Earth Pressures on Retaining Structures” organized by IIT Madras, on August - October 2015.

18. Attained One day workshop on “Repair, Retrofitting and Strengthening of Building”, Organized by Dr J J Magdum College of Engineering, Jaysingpur, Pune on 7th December 2015.
19. Participated in 3 Days Workshop on ‘Seismic Design, Evaluation, Retrofitting and Optimization of Multi-Storied Buildings’ during 27-29 March, 2015 at VPCOE, Baramati.
20. Attained One-week Short term Training Programmed on “Finite Element Method & Application in Civil Engineering”, Organized by Government College of Engineering, from February 17-21, 2014.
21. Attained two days workshop on “Quality Improvement Programme in Geotechnical Engineering QIPGE2013”, Organized by SPVPs S.B.Patil College of Engineering, Indapur.
22. Attained two days workshop on “Quality improvement Programme in Geotechnical Engineering”, Organized by S.B. Patil, Indapur on January 4, 2013.
23. Attained One day workshop on “Engg. Mechanics” organized by ABMS, COE and Research, Pune on 10th March 2013.
24. Attained One day workshop on “Teaching methodologies in water resources Engg.” Organized by DY Patil COE, Aurdi, Pune on 2nd March 2013.
25. Attained National Level Technical Event X-plore 13 held on 15 March 2013 at Jagadambha College of Engineering, Yavatmal.
26. Participated in 2 Day ISTE Workshop on ‘Research Methods in Educational Technology’ under the National Mission on Education through ICT (MHRD, Govt. of India) conducted by Indian Institute of Technology - Bombay on 2nd & 9th February 2013 at the Remote centre: VPCOE, Baramati.
27. Attained One day workshop on “Teaching methodologies in water resources Engg.” Organized by DY Patil COE, Aurdi, Pune on 14 January 2012.
28. Attained One day workshop on “Teaching Methodologies for Construction and Management Related subjects in Civil Engineering”, Organized by VIIT Pune on March 3, 2012.

Workshops/Conferences Organized:

1. Successfully organized Science and Engineering Research Board (DST) sponsored one week national level workshop, “Damage detection and characterization strategy of non-engineering structures using PZT sensor: Theory and Practice”, at VPKBIET, Baramati, held in 23rd to 27th Dec. 2019.

2. Co-ordinated and participated in STTP “Principles of RCC Design up to & beyond Limit States, Applications and Limitations of IS:456-2000” conducted by National Institute Of Technical Teachers’ Training & Research, Organized by Vidya Pratishthan’s Kamalnayan Bajaj Institute of Engineering and Technology, Baramati September 2019.
3. Successfully organized certified course of Hit-Office (Construction Management software), conducted by Engineering design Software & services Pvt. Ltd., Pune held in April 2015.
4. Successfully organized certified course of AutoCAD, conducted by Autodesk & Dexter Technology Solutions held in May 2015.

National/ International Programs/Courses

1. Successfully completed NPTEL course “Earth Sciences for Civil Engineering Part I and II” organized by IIT Kanpur, 2019.
2. Successfully completed official Udemy Course “ How to Improve Your Video Quality” , Aug 2019.
3. Successfully completed official Udemy Course, “Python for Absolute Beginners”, Aug 2019.
4. Successfully completed NPTEL course, “Technical english for engineers organized by IIT Madras, 2018
5. Successfully completed NPTEL course “Introduction to research” organized by IIT Madras, 2018.
6. Successfully completed NPTEL course “Outcome Based Pedagogic Principles for Effective Teaching” organized by IIT Kharagpur, 2018.
7. Successfully completed official Udemy Course, “How to Write an Effective Research Paper”, Dec 2018.
8. Successfully completed official Udemy Course, “Fundamentals of Structural Analysis”, Nov-2018.
9. Successfully completed NPTEL course “Basics of Finite Element Analysis -I” organized by IIT Kanpur, March 2016.

KEY NOTE SPEAKER / INVITED TALK/ SESSION CHAIRMAN/ RESOURCE PERSON

Sr. No.	Name of the Event and Topic	Organized By	Date	Responsibility Shared
01	“One week FDP on “Recent Trends in Civil Engineering”	Fab-tech Technical Campus College of	16 to 21 Aug. 2022	Resource Person

		Engineering& Research,		
02	Three days online workshop on "Implementation And Execution Of Third Year Civil Engineering 2019 Pattern Syllabus" organized during 07th September 2021 to 09th September 2021	BMSP's Anantrao Pawar College of Engineering and Research, Parvati, Pune.	07 to 09 Sept. 2021	Resource Person
03	One Week Online Faculty Development Program on "Recent Trends of Research in Civil Engineering"	Dr. D.Y. Patil Institute of Technology Pimpri, Pune	09 to 14 Mar. 2022	Resource Person
04	Online one week FDP on Advancements in the field of Civil Engineering: Theory and Practice	Pravara Rural Engineering College, Loni	25 Feb. 2022	Resource person
05	Co-chairing a session in the 7th International Conference on "Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics"	Jointly organized by the Indian Society of Earthquake Technology, the Civil Engineering Department, IISc Bengaluru and the Department of Earthquake Engineering, I.I.T. Roorkee, Roorkee held online during July 12-15, 2021.	12to 15 July 2021	Co-chairing a session
06	Two Days State Level Workshop under Quality improvement Programme of Savitribai Phule Pune University on topic "Prestressing - From Theory to Practice	Parvatibai Genba Moze College of Engineering, Pune.	7 to 8 Feb. 2019	Resource Person
07	National Conference on Technical Revolution 2018, on topic Damage detection and retrofitting of existing structures on topic "Influence of reinforcement corrosion on residual life of concrete structure.	Anantrao Pawar college of Engineering, Parvati, Pune	Mar. 2018	Keynote Speaker
08	AICTE- ISTE one week short term training program on Advanced Practices in Civil Engineering on topic Damage detection and	SVPMs COE, Malegaon (BK)	18-20 June 2018	Resource Person

	retrofitting of existing structures.			
09	National Conference on Technical Revolution 2016	Ananatrao Pawar college of Engineering, Parvati, Pune	11 th Mar. 2016	Session Chairman
10	Three days STTP on finite Element method	G. H. raisoni college of Engineering and Management, Pune	28 April 2015	Expert Speaker
11	MSBTE Sponsored STTP Program on recent trends in Prestressed concrete and bridge engineering	JSPM Bhivarabai Sawant Polytechnic, Pune	11 Dec. 2012	Resource person

SIGNIFICANT OUTREACH INSTITUTE ACTIVITIES/RESPONSIBILITY

1. Recognized Reviewers of:
 - i. Journal of Sandwich Structures and Materials
 - ii. Journal of Innovative Infrastructure Solutions
 - iii. Journal of The Institution of Engineers (India) Series A
 - iv. Journal of Construction
 - v. Journal of Minerals
 - vi. Journals of Sustainability
 - vii. Suranaree Journal of Science and Technology
 - viii. Steel and Composite Structures, An International Journal
 - ix. Structural Engineering and Mechanics, An International Journal
 - x. International Journal of Concrete Structures and Materials
 - xi. International Journal of Construction and Building Materials
 - xii. International Journal of Modern Physics B
 - xiii. Sigma Journal of Engineering and Natural Sciences
 - xiv. International Journal of Macromolecular Symposia
 - xv. Materials Today: Proceedings
2. Worked as Subject expert for PhD Progress Seminars
3. Selected under summer faculty research fellow programme, IIT, Delhi 2012.
4. Subject Expert for Interview for the Post of Assistant Professor/Associate Professor at College of Engineering, Malegaon BK, June 2019.

5. Speaker in one day guest lecture on “Structural Analysis- I” Someshwar Engineering College, Baramati conducted on 1st March 2015.
6. Guest lecture on Design of earthquake resistant structure by seismic co-efficient method at S. B. Patil College of engineering 11th Oct 2012.
7. Guest lecture on estimating and costing at Vidya Pratishthan’s polytechnic college, Indapur Oct 2011.
8. University Subject Chairman
9. Various Subject Chairman for drafting of University syllabus of UG/PG courses.
10. Internal senior supervisor for university theory examinations.
11. Local Inspection Committee member SPPU, Pune visit to Ananatrao Pawar college of Engineering, Parvati, Pune 24th March 2015.
12. Local Inspection Committee member SPPU, Pune visit to Dattakala Group of institutions faculty of engineering 11th Feb. 2015.
13. Departmental placement coordinator VPKBIET, Baramati.
14. Civil engineering student association faculty in charges department of Civil Engineering, VPKBIET, Baramati.
15. Paper setter for the subject Theory of structure –I of F. Y. Architecture examination 2015.
16. Paper Setter and Subject chairman SPPU, Pune.
17. Internal senior supervisor for university examination May/June 2012.
18. External senior supervisor for online examination May 2014 centre SVPMS, College of engineering.

VISION STATEMENT

Short Term:

a) Teaching

Providing value added education with practical exposure. To use new teaching techniques to achieve the outcome based education system. Produced good results in the university examinations.

b) Research

Publish minimum 2 research paper per year which comes under web of science/SCI/Scopus. Writing research proposal under various scheme.

Long Term:**a) Teaching**

To develop new courses. Introduce various performance appraisal systems to improve the teaching methods.

b) Research

Generate the revenue through consultancy and research proposal and develop the departmental labs as well as institute. ii) Attend and organize the different seminars/workshops/STTP/conferences to update with current technologies.

PLAN

- To get Accreditation from National Assessment and Accreditation Council (NAAC) With Highest Grade.
- Work to get Autonomous Status for the Institution.
- Getting NBA accreditation for Civil Engineering department

STRENGTH

- A visionary leader, create and execute plan for the Institutional growth
- Academician with strong technical skills
- Dedicated person with positive attitude