



Sinhgad Technical Education Society's

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

Dr. JYOTI P.BHUSARI
Ph.D. Civil Engineering
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Academic Details

Degree	Institute and University	Year of Passing	Percentage	Grade
BE (Civil)	Faculty of Engineering and Technology, M.S.University, Baroda	June 1993	68.50	First Class with Distinction
ME(Civil- (Structural Engineering)	Faculty of Engineering and Technology, M.S.University, Baroda	February 1996	70.00	First Class with Distinction
Ph.D. (Civil)	Shivaji University, Kolhapur	May 2019		

Teaching Experience

1 July 2019 till date	Professor Civil Engineering Department, Sinhgad College of Engineering, Vadgaon (Bk), Pune, Maharashtra.
1 July 2008 to 30 June 2019	Associate Professor Civil Engineering Department, Sinhgad College of Engineering, Vadgaon (Bk), Pune, Maharashtra.
1 July 2005 to 30 June 2008	Assistant Professor, Civil Engineering Department, Sinhgad College of Engineering, Vadgaon (Bk), Pune, Maharashtra.
22 Nov 2003 to 30 June 2005	Lecturer Civil Engineering Department, Sinhgad College of Engineering Vadgaon (Bk), Pune, Maharashtra.
2 Feb 2002 to 21 Nov 2003	Lecturer Civil Engineering Department, PDEA'S College of Engineering Hadapsar, Pune, Maharashtra.
16 Nov 1999 to 1 Feb 2002	Lecturer Civil Engineering Department, PDEA'S Institute of Technology Hadapsar, Pune, Maharashtra.
Aug 1996 to June 1999	Lecturer Applied Mechanics Department, Faculty of Engineering & Technology M. S. University, Baroda, Gujarat

* Recognition as a P.G. Teacher by Savitribai Phule Pune University

Funding Project Details

Funding Agency	Project name	Funding Amount in Rs	Period
Savitribai Phule Pune University	Influence of Fiber Strength on Fracture Characteristics of Normal and High Strength Concrete	1,40,000	2017 to 2021
Savitribai Phule Pune University	Parametric Study on Characterization of Reactive Powder Concrete	1,40,000	2013 o 2015
Savitribai Phule Pune University	Mechanical properties of Reactive Powder Concrete	2,00,000	2010 o 2012

Achievements and Awards

1. Executive Committee Member of Indian Institute of Bridge Engineers, India.
2. BOS member for course 'Civil for Rail Technology' under Department of Science and Technology, Savitribai Phule Pune University, Pune.
3. Advisory Committee Member, Indian Institute of Bridge Engineers Pune Center.
4. Member of Advisory and Organizing Committee 2020, of Late Shri S.B. Joshi Award & Memorial Activities; and Late Shri C.V. Kand Award.
5. Fellow (Membership No: F-1271115) of Institute of Engineers, India

Guest Lectures/Chairperson/ Reviewer

1. Invited as a Faculty in a two week training Programme on Finite Element Analysis at National Water Academy, Pune during 1-11 August 2006.
2. Faculty for subject of Strength of materials and Engineering Mechanics for the MPSC and GATE courses conducted at Institution of Engineers, India, Pune Local Centre for the years 2006-07 and 2007-08.
3. Participated as a member and gave valuable contribution in the workshop held on 2nd April 2008 for the Effective Implementation of Syllabus for M.E. (Civil/Structures) 2008 course of University of Pune at SCOE, Pune.
4. Invited as a Faculty in a two week training Programme on Finite Element Analysis for Water Resources Structures at National Water Academy, Pune during 12th-22th May 2009.
5. Delivered Lecture as a resource person on Introduction to Plastic Analysis at 5 days National Workshop on Design of Steel Structures using Revised IS 800-2007 at Department of Civil Engineering SCOE, Pune-41 from 30th June to 4th July 2009.
6. Faculty for the Training Course conducted for Engineers of Larsen and Tourbo Ltd from 11th October 2010 to 16th December 2010 through Asian academy of Professional Training, Pune. Lectures delivered on topics of Strength of Materials, Prestressed Concrete, and Detailing for RCC and steel structures.
7. Faculty for the Training Course conducted for engineers of Larsen and Tourbo Ltd from October 2011 to December 2011 through Asian Academy of Professional Training, Pune. Lectures delivered on topics of Strength of Materials, Prestressed Concrete, and Detailing for RCC and Steel Structures.
8. Reviewer for the 1st International Conference on Recent Trends in Engineering & Technology (ICRTET'2012), March 23-25, 2012 organized by SNJB (Jain Gurukul) Sanstha and SNJB's Late Sau Kantabai Bhavarlalji Jain College of Engineering, Chandwad, Dist. Nashik
9. Invited as a Faculty in a two week training Programme on Finite Element Analysis for Water Resources Structures at National Water Academy, Pune during 11-22 March 2013.
10. Invited as Auditor to audit the term work related to the Structural Engineering subjects at Flora Institute of Technology, Pune on 26/04/2016

11. Invited as a Speaker for a Guest Lecture on Earthquake Engineering: Response Spectrum Method at Department of Civil Engineering, SAE, Kondhwa on 27/07/2016
12. Resource Person at FDP on Structural Design and Drawing and conducted session on Earthquake Force Calculation and Analysis and Design of Frames at PVPIT, Bavdhan on 10/09/2016 organized in association with BOS- Civil Engineering SPPU, Pune
13. Delivered a Guest Lecture on Design of water tank by Limit State Method at SAE, Kondhwa on 30/09/2016.
14. Invited as a Guest Speaker to deliver lecture on Plastic Analysis at Symbiosis Institute of Technology on 19th April 2017.
15. Delivered a Guest lecture on Structural Design and Drawing at PVPIT, Bavdhan on 15th September 2017.
16. Delivered a Guest lecture on Finite Element method for Structural Analysis at PCCOE on 29th September 2017.
17. Invited as Resource person for Faculty Development Program during 22nd -23rd July 2017 on the Topic Earthquake Analysis at Guru Govind Singh College of Engineering & Research Center, Nashik.
18. Resource person for One Day Workshop on Design of PT Flat Slabs & Introduction to Vibration and Earthquake Analysis on 28th July 2018 at Sinhgad College of Engineering
19. Resource person for Faculty Development Programme on Engineering Mechanics on 28th December 2018 at SCOE.
20. Invited for Guest lecture on Introduction to vibration and earthquake analysis, on 7th September, 2018 at Indira College of Engineering & Management, Parandwadi.
21. Invited for Guest lecture on Introduction to vibration and earthquake analysis, on 5th October 2018 at PVPIT, Bavdhan.
22. Resource person for Two days Faculty training programme on Prestressed Concrete Structures on 19th and 20th July 2019 at Sinhgad College of Engineering.
23. Invited as resource person for Two Day National Workshop on Prestressd Concrete and Advance Structures on 26th and 27th August 2019, organized by MIT, WPU.
24. Invited as a resource person for subject of Structural Design and Drawing III in 3 day workshop on Online Teaching Syllabus for B. E. Civil (2015 Pattern) organized by Department of Civil Engineering, AISSMS College of Engineering in association with BOS, SPPU from 14-07-2020 to 16-07-2020
25. Invited as Guest Lecture on "Theory of vibrations" for BE Civil Engineering Students, on Monday, 07/12/2020 at PCETS Pimpri Chinchwad College of Engineering and Research, Ravet - Pune Campus.
26. Deliver online talk on Future Scope in Structural Engineering in 4 days Online talks for TE Civil students on 5th January 2021 organized by Department of Civil Engineering at Pimpri Chinchwad College of Engineering (PCCOE), Pune.
27. Contributed as Resource Person in One day online FDP on "Recent Advancements in Concrete Technology" organized by Department of Civil Engineering, AISSMS College of Engineering, Pune on January 9, 2021.
28. Contributed as a Resource Person for the subject Pre-stressed Concrete in One Week Students Development Program on "GATE Examination Coaching with Tips and Tricks" organized by the Department of Civil Engineering, AISSMS College of Engineering, Pune on 28th January 2021.
29. Course Coordinator for the course of Formwork Engineering in Three Days Online Workshop for Drafting of TE Civil 2019 Pattern Syllabus, organized by AISSMS College of Engineering, Pune, in association with Board of Studies, Civil Engineering SPPU from 3rd May to 5th May 2021.
30. Panel Member for the course of Matrix Methods of Structural Analysis, Design of Reinforced Concrete Structures, Advanced Concrete Technology in Three Days Online Workshop for Drafting of TE Civil 2019 Pattern Syllabus, organized by AISSMS College of Engineering, Pune, in association with Board of Studies, Civil Engineering, SPPU from 3rd May to 5th May 2021.

31. Invited as Subject coordinator in the 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.
32. Invited for expert lecture on Design of Post Tensioned Prestressed Concrete Flat Slab on 17th September 2021 at Department of Civil Engineering, D.Y. Patil College of Engineering Akurdi.
33. Invited for Expert Lecture on Water Retaining Structures organized by Department of Civil Engineering, Pimpri Chinchwad College of Engineering and Research, Ravet on 22nd and 24th September 2021
34. Invited as Guest Speaker at Department of Civil Engineering Department, AISSMS COE, Pune, for the subject Structural Design and Drawing-III on 27th September 2021
35. Invited as a Technical program committee member at First IEEE International Conference on Computing, Communication & Green Engineering-2021 (CCGE'21) organized by JSPM's Rajarshi Shahu College of Engineering, Pune during September 23rd – 25th, 2021.
36. Invitation as a resource person for Expert Lecture on “Design of Prestressed Concrete Girder” on 21-10-2021. organized by SRTTC-FoE (Department of Civil Engineering) Khamshet Pune,
37. Invited as Reviewer for VISHWACON 2021 an International Conference on Recent Trends in Engineering and Technology, held on 27th and 28th November 2021 on virtual mode organized by Vishwakarma Institute of Information Technology.
38. Invited as Chairperson for VISHWACON 2021 an International Conference on Recent Trends in Engineering and Technology, held on 27th and 28th November 2021 on virtual mode organized by Vishwakarma Institute of Information Technology.
39. Invited as Guest Speaker in Faculty Development Program on Recent Advances in Structural Engineering from 18th April to 20th April 2022 organized by Guru Govind Singh College of Engineering and Research Center in Association with ISTE.
40. Invited as a Reviewer in 2nd National Conference on Innovation in Engineering and Technology (NCIET 2022) organized by AISSMS College of Engineering, Pune on 20th May 2022.
41. Invited as Expert for Structural Engineering Sessions at PGCON, Regional Conference for PG Students every year since its conception.

Workshop/Webinar/Seminar Conducted as Coordinator

1. Conducted a crash course for 10 days from 10th March 2008 to 19th March 2008 in Theory of Structures II for the students of Sinhgad College of Architecture.
2. Coordinated a 5 days National Workshop on Design of Steel Structures using Revised IS 800-2007 at Department of Civil Engineering Sinhgad College of Engineering, Pune-41 from 30th June to 4th July 2009.
3. Coordinated the workshop on Training on REVIT Architecture under VAP program in 2017-18.
4. Coordinated One Day Workshop on Design of PT Flat Slabs & Introduction to Vibration and Earthquake Analysis on 28th July 2018 at Sinhgad College of Engineering and conducted session on Introduction to Vibration and Earthquake Analysis.
5. Conducted Faculty Development Programme on Engineering Mechanics on 28th December 2018 and conducted session on Unit I - Statics.
6. Coordinated the SPPU sponsored Two Days National Conference on Panchtatva in Civil Engineering- Integrating Five Elements of Nature for Sustainable Development, on 27th -28th February 2019 at Sinhgad College of Engineering.
7. Co-coordinated the 6th Post Graduate Conference in Civil Engineering at Department of Civil Engineering on 17th and 18th June 2019.
8. Coordinated Two days Faculty Training Programme on Prestressed Concrete Structures on 19th and 20th July 2019 at Sinhgad College of Engineering and conducted session on Overview of codal provisions for prestressed concrete as well as Design of Prestressed Concrete Girder.
9. Coordinated an online One Week Short Term Training Program on Bridge Engineering: Design, Execution, Maintenance & Rehabilitation in association with Indian Institution of Bridge Engineers, Pune Chapter from 13th July 2020 to 17th July 2020 on Zoom platform and Youtube live streaming.

10. Coordinated Webinar "A to Z of Prestressing" by Speaker- Er. Vinay Gupta, Director & CEO, Tandon Consultants Pvt Ltd. on 23rd December, 2020 organized by Indian Institution of Bridge Engineers
11. Coordinated Webinar on Post Tension Tendons in Bridge Structures- Evaluation and Protection, on 19th February 2021 organized by Indian Institution of Bridge Engineers
12. Coordinated a Virtual Technical Tour of Rajashree Cement Works on 19th June 2021 organized by Department of Civil Engineering, Sinhgad College of Engineering, Pune in association with UltraTech Cement India Ltd.
13. Coordinated A 30 Hours Basic Course on Design And Construction Aspects of Bridges was organized by Indian Institution of Bridge Engineers in association with Sinhgad College of Engineering, Pune from 26th November 2021 to 18th of December 2021.
14. Coordinated Webinar on New Developments in Deep Foundation Testing, on 11th February 2022 organized by Indian Institution of Bridge Engineers
15. Coordinated and organized seminar on Digital World of Structural Engineering on 21/03/2022 at Sinhgad College of Engineering, Pune.
16. Coordinated and organized Webinar on Management of Engineering Structures on 04/04/2022 in online mode at Sinhgad College of Engineering, Pune.

Training / workshops / conferences / seminar attended details

1. Attended the workshop on Transmission Line Tower-Design, Manufacturing, Erection & Maintenance, organized by Central Board of Irrigation and Power at Baroda, from 29th November to 2nd December 1994.
2. Participated in Two weeks Summer School on Industry-Institute Partnership organized by Government College of Engineering, Ujjain, Sponsored by AICTE-ISTE during 26th to 31st May 1997.
3. Participated in a workshop on Engineering Mechanics-Effective Teaching Methodology, at AISSMS College of Engineering, Pune, on 9th and 10th January 2004.
4. Participated in Refresher course on Computer Techniques of Stiffness Matrix Method organized by the Civil Engineering Division of Pune Local Centre, The Institution of Engineers (India), Pune from 12th to 14th March 2004.
5. Attended the workshop on Pollution of coastal and Marine Environment of Saurashtra and Kutch, Present Scenario and Perspectives held on 4th July 2004 at ATMIYA Institute of Technology & Science, Rajkot.
6. Participated in AICTE approved Short Term Course on Quality Assurance and Accreditation of Technical Institutions organized by Smt. Kashibai Navale college of Engineering, Pune, conducted from 19th to 23rd April 2005.
7. Participated in a course on Proposed Revision of IS: 800 organized by Sinhgad College of Engineering, Pune on 18th and 19th November 2005.
8. Participated in the Faculty Development Program organized by the ICFAI University on 2nd December 2005 at Pune.
9. Attended the Five days QIP Short Term Course on Soft computing in Civil Engineering conducted by IIT Bombay during 02-06 January 2006.
10. Participated in AICTE Approved National level Short Term Training Programme on Evaluation of Existing Dams and Action Plan for Restoration Held at Sinhgad College of Engineering from 6-10 February 2006.
11. Attended the National Conference on Civil Engineering-Trends, Issues & Challenges in Vadodara on 11-12 March 2006 sponsored by UGC, New Delhi.
12. Attended Course on Vibration Analysis of Structure and Data Acquisition System at PIET's College of Engineering, Pune from 24th to 26th April 2006.
13. Attended the AICTE approved and Pune University sponsored National Summer School on EN-Mathematica, at Sinhgad College of Engineering, Pune, from 15th to 27th May 2006.
14. Participated in Two days' workshop on Advances in Geotechnical Investigations organized by the Department of Civil Engineering, Sinhgad College of Engineering, Pune on 4th and 5th August 2006.
15. Participated in the seminar on Implementation of National Building Code of India-2005 organized by the Civil Engineering Division of Pune Local Centre, The Institution of Engineers (India) on 14-15 October 2006.
16. Participated in the AICTE sponsored Staff Development Programme on Base Isolation Techniques for Earthquake Resistant Design, conducted at GCOE, Karad, from 27th November to 9th December 2006.

17. Attended the workshop on Fatigue Engineering Analysis and Simulation Techniques conducted at IIT Bombay, 11th -13th February 2007.
18. Participated as a member in the workshop held on 2nd April 2008 for the Effective Implementation of Syllabus for M.E. (Civil/Structures) course of University of Pune at Sinhgad College of Engineering, Pune.
19. Attended one day workshop on Implementation of Revised Syllabus of the subjects Basic civil & Environment Engineering and Engineering Mechanics for F.E. Of University of Pune at G. H. Raisoni Institute of Engineering and Technology, Pune on 9th April 2008.
20. Attended a workshop on Provisions in IS- 456 (Revised 2000) and its Implications at Rajarshi Shahu College of Engineering, Pune on 11th April 2008 sponsored by University of Pune.
21. Attended National Conference on Advancement and Futuristic Trends in Earthquake Engineering at AITS, Rajkot on 23rd November 2008.
22. Participated in two days' workshop on Engineering Mechanics- Effective Teaching Methodology organized on 8th and 9th January 2009 by VIIT, Pune.
23. Attended a National workshop on Earthquake and Design of Earthquake Resistant Structure at PVPIT, Budgaon, Sangli on 7th March 2009.
24. Participated in 2 days Seminar on Planning Aspects for a Project: Concept to Completion held on 7th and 8th March 2009 at Sinhgad College of Engineering, Pune.
25. Participated in the Two day National Symposium on Pre-Engineered Buildings (PEB) from 25th July to 26th July 2009 organized by Sinhgad College of Engineering.
26. Participated in Workshop of drafting of T.E. Civil Syllabi organized by AISSMS on 27th October 2009.
27. Participated in one day workshop on Online and Regular Theory Examination of Engineering Mechanics organized by Sinhgad College of Engineering on 9th March 2010.
28. Participated in ISTE Approved one week Short Term Training Programme on MATLAB A to Z in 30 Hrs during 21st June to 25th June 2010, organized by G. H. Raisoni College of Engineering & Management, Pune.
29. Attended and presented paper in International Conference on Sunrise Technologies, organized by Bapusaheb Shivajirao Deore College of Engineering & Polytechnic, Dhule on 13th -15th January, 2011.
30. Participated in one day workshop on Syllabus Setting for B.E. Civil for Pune University organized by MIT, Pune on 31st March 2011.
31. Attended and presented the paper in International Conference on Innovative Science and Engineering Technology (ICISSET-2011) organized by VVP Engineering College, Rajkot, Gujarat India, 8th and 9th April 2011.
32. Attended one week ISTE approved National level STTP Research Methodologies and Optimization Techniques organized by Department of Mechanical Engineering JSPM's Rajashri Shahu College of Engineering, Pune during 23-27 May 2011.
33. Participated in two days National Workshop on Utilisation of Flyash, Sponsored by Flyash unit (FAU), DST, and Govt. Of India, New Delhi & GUJCOST, Govt of Gujarat, Gandhinagar held at SVNIT, Surat on 10-11 June 2011
34. Participated in 1st International Conference on Recent Trends in Engineering and Technology on 24th and 25th March 2012 organized by SNJB's Late Sau Kantabai Bhavarlalji Jain College of Engineering, Nashik.
35. National Seminar on Green Technology and Environmental Sustainability, IE, Gujarat State center, 7/09/2012 to 08/09/2012
36. Participated in Syllabus Setting of M.E. Civil (Structures) for University of Pune on 21st February 2013, organized by MIT, Pune
37. 2nd International Conference on Recent Trends in Engineering & Technology Late Sau Kantabai Bhavariaji Jain College of Engineering, Chandwad, Nashik from 22/02/2013 to 24/03/2013.
38. 2nd International Conference on Emerging Trends in Engineering, Dr J. J. Magdum College of Engineering, Jaysingpur, Kolhapur from 22/02/2013 to 23/02/2013.
39. Regional Conference INNOVATION 2014 by SPPU BCUD from 02/05/2014 to 02/05/2014 at Amrutvahini College of Engineering, Sangamner.
40. FDP for Strength of Materials at SITS Narhe from 17/06/2013 to 22/06/2013

41. Teachers Advancement Programme- Level 1-2 Sinhgad College of Engineering, Wren & Pecker from 28/11/2013 to 30/11/2013.
42. FDP on Scope of Finite Element Method in Civil Engineering at Sinhgad College of Engineering from 09/12/2013 to 13/12/2013.
43. FDP on High Performance Concrete: Past, Present and Future at NIT, Jalandhar, TEQIP sponsored from 15/06/2015 to 19/06/2015.
44. One day workshop on BE Civil (2012 Course) Syllabi Drafting at AISSMS College of Engineering, Pune on 10/06/2015.
45. Conference on Smarter Cities-India 2015: Smarter Solutions for a better Tomorrow (SCI-2015) Sinhgad College of Engineering from 8/06/2015 to 09/06/2015.
46. Regional Conference, INNOVATION 2015 organized by SPPU, BCUD on 06/07/2015 at Pad. Dr. D. Y. Patil Inst. of Engineering, Management and Research, Akurdi.
47. Workshop on The Ambuja Concrete Mix Design by Ambuja Cement from 21/08/2015 to 22/08/2015 at Sinhgad College of Engineering, Pune.
48. International Conference on Advances in Civil Infrastructure and Development of Smart Cities at K. E. Society's Rajarambapu Institute of Technology, Islampur under TEQIP from 26/02/2016 to 28/02/2016.
49. Workshop on Revision of SE Civil Engineering Syllabus-CBCS-2015 Pattern at VIIT, Pune in association with SPPU from 04/04/2016 to 04/04/2016
50. Training in Advance Concrete Mixed Design Process, on 9th to 11th September 2016 at Sinhgad College of Engineering, Pune in association with Home Front Commercial Services Pvt. Ltd.
51. Participated and presented in 32nd National Convention of Civil Engineers, Role of Civil Engineering in Sustainable Development of India on 21st and 22nd October 2016 organized by The Institution of Engineers, Goa Centre
52. Workshop on Syllabus Revision of PG Civil Engineering –Structures at MIT, Pune on 3rd January 2017.
53. SPPU sponsored workshop on Automation of Theory Question Paper Generation, on 9th February 2017, organized by PVG's College of Engineering and Technology, Pune.
54. Completed NPTEL Online Certification Course on Reinforced Concrete Road Bridges with Score of 87% , 4 week course Jul-Aug 2017
55. Regional Research Conference –INNOVATION-2017, on 15th November 2017 at PICT , Pune
56. Workshop on B. E. Civil 2015 Pattern Syllabus Revision Workshop on 29th January 2018 at School of Civil Engineering, MIT World Peace University.
57. Completed NPTEL Online Certification Course on Basics of Finite Element Analysis-I with Score of 65% , 8 week course Feb-March 2018
58. AICTE-ISTE Sponsored Induction/ Refresher Short Term Training Programme on Advanced Structural Dynamic Analysis and its Application to Civil Engineering at SVERI's College of Engineering, Pandharpur from 4th June to 9th June 2018.
59. One day Workshop on Design of PT Flat Slabs & Introduction to Vibration and Earthquake Analysis on July 28, 2018 at Department of Civil Engineering, Sinhgad College of Engineering, Pune 41.
60. Completed NPTEL Online Certification Course on Matrix method of structural analysis with Score of 90% Gold medal, Top 1% , 8 week course Aug-Oct 2018
61. One Week Training Programme funded by TEQIP on Wind Effects on Structures, at VNIT Nagpur from 29th to 2nd November 2018.
62. Faculty Development Program on BIM Workflow for AEC Industry at SPPU on 20th December 2018 organized by CADD Center & Bentley.
63. NPTEL 12 week Certification course on Strength of Materials, July-October 2019 scoring 83 %
64. NPTEL 4 week FDP Certification course on Structural Dynamics for Civil Engineers-SDOF Systems, August- September 2019 scoring 83 %
65. One day state level workshop on NBA Accreditation-An outcome based Approach on 28th December 2019, at Dhole College of Engineering organized by IQAC, Dhole Patil COE, Pune.
66. Three week ISTE sponsored Whatsapp FDP on Outcome based education from 24/03/2020 to 14/04/2020 organized by D.Y. Patil College of Engineering, Akurdi, Pune.

67. One week online Training Programme on Midas Civil Advanced Features from 18-05-2020 to 22-05-2020 organized by MIDAS Research and Development Center, India
68. One Week AICTE approved online FDP OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE from 11-05-2020 to 15-05-2020 organized by Government College of Engineering, Karad, under AICTE Margdarshan Scheme, New Delhi
69. One week online FDP on NAAC Revised Accreditation Framework 2020 from 11-05-2020 to 15-05-2020 organized by JSPM Narhe Technical Campus, Pune.
70. One week online FDP on Promoting Quality Culture in Technical Institutions from 23-05-2020 to 29-05-2020 organized by AISSMS college of Engineering under UGC Paramarsh Scheme.
71. ISTE & IEI Approved National Level One Week Online FDP on Advanced Teaching Tools, Techniques and Methodologies for Outcome Based Education from 01-06-2020 to 05-06-2020 organized by AISSMS College of Engineering.
72. Participating in a Webinar on How to Write a Research Paper organized by Department of Civil Engineering, Sinhgad College of Engineering, Pune, on 18th July 2020.
73. ICACI and IEI approved one week online STP on Innovation and up gradation in Infrastructural Technology from 27-05-2020 to 02-06-2020 organized by Terna Engineering College, Mumbai.
74. Participated and successfully completed TEQIP-III Sponsored One week Online FDP on “Recent Advances in Civil Engineering” organized by Civil & Environmental Engineering Department, VJTI Mumbai under twinning activity with Civil Engineering Department, Engineering College Ajmer, Rajasthan during June 02nd to 07th 2020.
75. Syllabus Orientation Workshop for S. E. Civil (2019 Pattern) from 22-6-2020 to 26-06-2020, organized by Department of Civil Engineering, Sinhgad College of Engineering.
76. 3 day workshop on Online Teaching Syllabus for B. E. Civil (2015 Pattern) organized by Department of Civil Engineering, AISSMS College of Engineering in association with BOS, SPPU from 14-07-2020 to 16-07-2020.
77. Participated and Cleared Final E-Assessment in AICTE Sponsored One Week Online Short Term Training Programme on “Recent Advances in Forensic Analysis of Sub and Super Structures- Transportation Engineering Phase II organized by Civil Engineering Department, Velagapudi Ramakrishna Siddhartha Engineering College from 24th Aug - 29th Aug 2020.
78. One week AICTE sponsored online STTP on Recent Advances in Forensic Analysis of Sub and Super Structures- Transportation Engineering Phase II organized by Velagapudi Ramakrishna Siddhartha Engineering College from 24-08-2020 to 29-08-2020.
79. Attended AICTE sponsored One week Online Short Term Training Program Phase II on Repair and Rehabilitation of Structures organized during 30th November 2020 to 5th December 2020.
80. Participated in the 35th Indian Engineering Congress held during 18-20 December 2020 and presented the paper titled Sustainable Alternative to External Curing: Use of Superabsorbent Polymer in Concrete in virtual mode.
81. Attended Conference CEMCON 2020_Digital Trends in Construction from 11th December 2020 to 19 December 2020, organized by ICI, Pune Center
82. Attended AICTE and ISTE sponsored one week online induction/refresher program on Mathematical Modelling from 25 Feb to 3 March 2021 organized by Indira College of Engineering and Management, Pune.
83. Attended and participated and presented paper at International Conference on Innovative Practices in Engineering Technology and Business Management organized by RMD Sinhgad Technical Institute campus
84. Attended AICTE-ISTE approved Orientation / Refresher online programme on “Improving Excellence in Teaching” held during 24th -30th April 2021 organized by ABMSP’s Anantrao Pawar College of Engineering & Research, Parvati, Pune, Maharashtra.
85. Participated & completed successfully a one-week online AICTE Short Term Training Programme on “Repair, Rehabilitation & Retrofitting Techniques of Reinforced concrete Structures”. Phase - III from 28/06/2021 to 3/07/2021, organized by the Department of Civil Engineering, Srinivasa Ramanujan Institute of Technology, Ananthapuramu.
86. Participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 14th March, 2022 to 18th March 2022.

Research Papers and Journal

1. Analysis & Design of Transmission Line Towers, Paper presented and published in proceedings of International Seminar on Modern Trends in Design of Transmission Towers, IE (India) Nagpur, Feb. 1997.
2. Configuration of Transmission Line Tower, Paper published in Journal of Engineering and Technology, Sardar Patel University, Vol-10 P-16 to 20, March 1997.
3. Cost Effective Materials in Construction from Rural India, paper published in the proceedings of National Seminar on Rural Technologies, Bhopal, pg 299-302 from 4-5 March, 2006.
4. Evaluation Of Seismic Hazards And Risk Analysis Of Dams, paper presented and published in the proceedings of National Conference on Civil Engineering-Trends, Issues & Challenges in Vadodara, pg 39 - 44, 11-12 March 2006.
5. Utilization of Industrial waste like Ceramic and Glass as Aggregates in Concrete Paper published in the Souvenir of National conference of Recycled and Marginal Materials in Constructions from 19th to 20th May 2006 organized by M S Ramiaah Institute of Technology, Bangalore.
6. A Review on Current Practices adopted in Lateral Load Resisting Systems. Paper presented and published in E- proceedings of National Conference on Advancement and Futuristic Trends in Earthquake Engineering at Atmiya Institute of Technology & Science, Rajkot, on 20- 23rd November 2008. Pg 134.
7. Structural Systems adopted in planning of earthquake Resistant Structures, Paper presented and published in the proceedings of workshop on Earthquake and Design of Earthquake Resistant Structure held at Padmabhooshan Vasantraodada Patil Institute of Technology, Budgaon, Sangli on 7th March 2009.
8. Performance of Unreinforced Masonary in-fills in Structure Paper presented and published in the proceedings of workshop on Earthquake and Design of Earthquake Resistant Structure held at Padmabhooshan Vasantraodada Patil Institute of Technology, Budgaon, Sangli on 7th March 2009.
9. Response of Monolithic Diaphragms in RC framed Structures, Paper published in the E-proceedings of the International Conference on Advances in Concrete, Structural and Geotechnical Engineering (ACSGE-2009), 25-27 October 2009, BITS Pilani, INDIA.
10. Innovative Building Design Technique – RC wall Frame Structure, Paper published in the proceedings of International Conference on Emerging Trends in Engineering (ICETE-2010), organized by J. J. Magdum College of Engineering (JMCOE), Jaysingpur in technical collaboration with Cafet-Innova Technical Society on 20th and 21st February, 2010.
11. Use of Polycon for repairing /strengthening RC Structures., Paper published in the International Conference on Emerging Trends in Engineering (ICETE-2010), organized by J. J. Magdum College of Engineering (JMCOE), Jaysingpur in technical collaboration with Cafet-Innova Technical Society on 20th and 21st February, 2010.
12. Effect of Aspect Ratio of Steel Fibers on Properties of Steel Fiber Reinforced Silica Fume Concrete, Paper presented and published in the E-proceedings of International Conference on Sunrise Technologies, organized by Bapusaheb Shivajirao Deore College of Engineering & Polytechnic, Dhule on 13-15 th January, 2011.(pg no 1.11.1 to 1.11.4)
13. Effect of Blast loading on the Structure Paper Published in the E- Proceedings of International Conference on Sunrise Technologies, organized by Bapusaheb Shivajirao Deore College of Engineering & Polytechnic, Dhule on 13-15 th January, 2011.
14. Structural Design Considerations for High Performance Building Using Tunnel Form System, Paper published in proceedings of International Conference on Innovative Science and Engineering Technology (ICISSET-2011) pg 252-256, ISBN no: 978-81-906377-9-4 organized by VVP Engineering College, Rajkot, Gujarat, India
15. Effect of Aspect Ratio of Steel Fibers on Properties of Steel Fiber Reinforced Silica Fume Concrete, Paper published in the a Special issue of International Journal of Research in Engineering Sciences & Technology (INJoREST-Civil Engg-ISSN-2229-5135) April 30th 2011
16. Effect of Opening in Shear wall, Paper published in the proceedings of 1st International Conference on Recent Trends in Engineering and Technology on 24th and 25th March 2012 organized by SNJB's Late Sau Kantabai Bhavarlaji jain college of Engineering, Nashik.
17. Influence of Shear Wall Positioning on Structural Behaviour of RC Multistorey Building pg 435-445 International Journal of MultiDisciplinary Research and Advances in Engineering, Volume 4, No. III, ISSN 0975-7074, July 2012, Impact factor 0.167C
18. Effect of Glass Fibers on Ordinary Portland Cement Concrete pg 1308-1312, IOSR Journal of Engineering, June 2012, Vol.2 (6) ; listing : UGC listed, Google Scholar 7.1
19. Climate Change: Burning Environmental Issue of Today & Relevant Remedial Measures Paper published

in the proceedings of National Convention on Green Technology & Environmental Sustainability on 7th and 8th September 2012, Institute of Engineers, Ahmedabad

20. Improving Shear Capacity of RC Beams Using Epoxy Bonded Continuous Steel Plates Proceedings of International Conference (ISBN number 978-81-926080-0-6) on Recent Trends in Engineering & Technology (ICRTET2013) , Chandwad, Nashik , 2013.

21. Improving Shear Capacity of RC Beams Using Epoxy Bonded Continuous Steel Plates, International Journals of Advance Technology in Civil Engineering (ISSN: 2231 - 5721), listing : Google Scholar.

22. Response of Ferrocement Confinement on Behavior of Concrete Short Column. Proceedings of Second International Conference on Emerging Trends in Engineering (SICETE) at Dr. J. J. Magdum College of Engineering, Jaysingpur, 25-27, 22nd -23rd February 2013

23. Response of Ferrocement Confinement on Behavior of Concrete Short Column. Special Issue IOSR Journal of Mechanical and Civil Engineering, Vol 4, 2013, ISSN: 2278-0661, pg 24-27 which includes proceedings of Second International Conference on Emerging Trends in Engineering- ICETE-2013, February 2013, Dr. J. J. Magdum College of Engineering, Jaysingpur, UGC listed, Google Scholar

24. Characterization of Reactive Powder Concrete with respect to its Bond Strength, International Journal of Scientific & Engineering, 2014, Listing Google Scholar

25. Parametric studies for Characterization of Reactive Powder Concrete, Regional Research Conference, INNOVATION 2015, Savitribai Phule Pune University at Pad.D. Y. Patil Institute of Engineering, Management and Research, Akurdi, pg10, 06-07-2015.

26. Behaviour of Outrigger Structural system for High rise building, International Journal of Modern Trends in Engineering and Research, www.ijmter.org, Tata MC Grawhill, e ISSN 2349-9745, 559-562, July 2015

27. Behaviour of Outrigger Structural system for High rise building, 4th International Conference on recent Trends in Engineering and Technology, McGrawHill Publication SNJBs Late Sau K. B. Jain College Of Engineering, Chandwad , Nashik , ISBN(13) 978-93-392-2290-1, ISSN(10) 93-392-2290-3, 47-51, July 2015, 02-07-2015 to 04-07-2015.

28. State Of The Art Report On Ultra High Performance Concrete: Reactive Powder Concrete, International Conference on Advances in Civil Infrastructure and Development of Smart Cities (ICACIDS-2016), organized by RIT, Rajaramnagar on 27th and 28th February 2016.

29. Characterization of RPC as a Sustainable Material, 32nd National Convention Of Civil Engineers on Role of Civil Engineering in Sustainable Development of India, organized by Institute of Engineers, Goa State Center on 21st and 22nd October, 2016.

30. Experimental Investigations on Bond Interface Strength of Reactive Powder Concrete, International Conference on Recent Advances in Civil and Environmental Engineering (RACEE17), organized by Department of Civil Engineering, Walchand College of Engineering, 4th and 5th March 2017.

31. Characterization of Reactive Powder Concrete for its Mechanical Properties, International Journal of Civil Engineering and Technology (IJCIET) , Volume 8(5), May 2017, pp. 08–13 (ISSN Print: 0976-6308 and ISSN Online: 0976-6316, Scopus Indexed Journal, Thomson Reuters : H indexed Journal.

32. A State of the Art Report on Ultra High Performance Concrete: Reactive Powder Concrete, IOSR Journal of Engineering, Volume 7 (5), May 2017, pp. 1 -6 (ISSN (e): 2250-3021, ISSN (p): 2278-8719, UGC listed, Google Scholar)

33. Estimation of Strength of Reactive Powder Concrete Using Artificial Neural Network, Indian Journal of Science and Technology, Volume 10, Issue 20, May 2017, pp 1-6 (Print ISSN : 0974-6846 , Online ISSN : 0974-5645, Scimago H Index : 18, IC Value : 5.02, Thomson Reuters Web of Science.

34. Experimental Investigations on Distinctive Characteristics of Reactive Powder Concrete, The Indian Concrete Journal, February 2019, Volume 93(2), pp16-22 (Scopus indexed, UGC listed)

35. Structural behavior of cantilever retaining wall with pressure relieving shelves, International Journal of Engineering Research & Technology, Volume 08, Issue 12, December 2019, 240-245. (Scopus indexed, UGC listed)

36. Influence of Partial Replacement of Micro-Silica by Fly-Ash on Strength Properties of Reactive Powder Concrete, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-9 Issue-3, February, 2020, 2932-2937 (Scopus indexed, UGC listed)

37. Sustainable Alternative to External Curing: Use of Superabsorbent Polymer in Concrete Paper Presented in the 35th Indian Engineering Congress held during 18-20 December 2020 in virtual mode.

38. Modal Stability of High-Rise Building with Irregular Plan Configuration under Seismic Loads, International Journal of Advances in Engineering Research (An Open-Access Peer-Reviewed Refereed International Research Journal), Vol: 21, Issue: 4, Year 2021, Impact Factor: 5.65438, (Google Scholar)

39. Optimization of Slab and Beam Formwork Using Genetic Algorithm , IOSR Journal of Engineering (IOSRJEN) www.iosrjen.org ISSN (e): 2250-3021, ISSN (p): 2278-8719 Vol. 11, Issue 9, September 2021, ||Series -I|| PP 28-35, (UGC Listed, Google Scholar)

Book/Book Chapter Published

1. Effect of Moment Capacity Ratio on RC Framed Structure, D. Deb et al. (eds.), Innovations in Infrastructure, Advances in Intelligent Systems, and Computing Vol 757, pp 275-285, https://doi.org/10.1007/978-981-13-1966-2_24, Springer Book Publication, Scopus indexed, web of Science.
2. Structural Mechanics II Textbook for Third Year Civil Engineering Students of BATU, Published by Nirali Prakashan, ISBN 13, 9789389533057
3. Mechanics of Structures, Textbook for Second Year Civil Engineering Students of Savitribai Phule Pune University, Published by Nirali Prakashan, ISBN 13 9789390437900
4. Structural Analysis- Textbook for Second Year Civil Engineering Students of Savitribai Phule Pune University, Published by Nirali Prakashan, ISBN 13 9789354511165
5. Solid Mechanics, Textbook for Second Year Mechanical Engineering Students of Savitribai Phule Pune University, Published by Nirali Prakashan, ISBN : 9789354515293

Association with Professional Bodies

1. Member of Indian Society for Technical Education, New Delhi. (LM 26746, Year 1998)
2. Fellow Member of Indian Institute of Bridge Engineers (LF-1995, Year 2010)
3. Advisory Committee Member, Indian Institute of Bridge Engineers Pune Center.
4. Fellow (Membership No: F-1271115) of Institute of Engineers, India
5. Executive Committee member of Indian Institute of Bridge Engineers, India.

Declaration

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

Date :22-June 2022

Dr. Jyoti Pushan Bhusari
