

SHIVAJI UNIVERSITY, KOLHAPUR

DEPARTMENT OF TECHNOLOGY

Vidyanagar, KOLHAPUR- 416 004 (INDIA)

NAAC 'A' Grade with CGPA 3.16



Dr.(Er.) P.P. Phadnis

Phone: +91 231 2609414/2609424 (O), Fax:

(B.E. (Civil), M.Tech (Structural Engg), Ph.D.(Civil))

Mob. : +91 9890613492

Assistant Professor

E-mail: ppp_tech@unishivaji.ac.in

Birth date: 05/01/1983 **Date of joining:** 06/07/2009 **Date of Superannuation:** 31/01/2043

Language competency: English, Marathi

Academic credentials: *Note: International (Intl.); National (Natl.); Grants in crore; Participation (Parti.)

Publicationbs: Intl. (<i>Natl.</i>)	6(05)	Citation index	0
<i>h</i> -index	1	<i>i</i> -10 index	0
Research Gate Score	5.44	Research Gate total impact points	0
IF range (Total) Average	0-5	Paper with IF >2(>5) >10	4
Research projects as PI (<i>Co-PI</i>)	0	Total Project grants	0
Patents	0	Invited talks	2
Research guidance: Ph.D. (Total)	0	Research guidance : M. Tech	1
Number of Books: Intl. (<i>Natl.</i>)	0	Conference organized (Convenor)	0
Conferences: Intl. Parti. (Attd.)	0	Conferences: Natl. Parti. (Attd.)	06(01)
Training Prog. Attended Intl. (<i>Natl.</i>)	0(13)	Training prog. Organized Intl. (<i>Natl.</i>)	0(0)
Instrumental in active MoU Intl. (<i>Natl.</i>)	0	Experience-Teaching (Research)	12(09)
Member of Academic Body Intl. (<i>Natl.</i>)	01	Member of Editor. Board Intl. (<i>Natl.</i>)	0

❖ **Broad research areas:** Civil Engineering Structures

❖ **Specific research areas:**

1. **Seismic analysis of structures:** Nonlinear static analysis and nonlinear dynamic analysis of structures
2. **Steel-Concrete Composite structures:** Analysis and design of building and bridge
3. **Civil Consultancy:** Analysis and design of structures

❖ **Achievements:**

1. Topper at “Advanced Concrete Technology” course examination organized by SWAYAM NPTEL-AICTE IIT, Madras in 2019.

❖ **Work Experience:**

1. Working as an Assistant Professor in Department of Technology, Shivaji University, Kolhapur since 2009.
2. Worked as a lecturer in Civil Engineering Department in Walchand College of Engineering, Sangli during 2007-2009.
3. Worked as a Trainee Engineer in Ramky Infrastructure Ltd., at Viveswaraiah Technological University, Belgaum during 2006.

❖ **Membership of Professional Bodies**

Life member of NICEE, IIT, Kanpur

❖ **Representative 10 latest publications in conferences:**

1. **P.P. Phadnis, S.N. Tande** (2009), Analysis and Design of 3-span Continuous Steel-concrete Composite Bridge, *ACSGE-2009, BITS Pilani, India*, pp.1-12.

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2. **P.P. Phadnis**, M.S. Salunkhe (2012), Continuous Steel-Concrete Construction for Bridge - an Efficient Solution *National Conference on 'Emerging Technologies for Sustainable Developments (NCET)*, Department of Technology, Shivaji University, Kolhapur, pp. 37.
3. **P.P. Phadnis**, Dr. D. K. Kulkarni (2013), Seismic Analysis of Multistoried RCC Building With Shear Wall, Proceeding of National Conference on Research and Development in Structural Engineering, RIT Sakharale, ISBN: 978-81-923755-4-0, pp. 133-141.
4. **P.P. Phadnis**, M.S. Salunkhe (2014), ANSYS in strength of Materials, *National Conference on 'Emerging Trends in Engineering and Technology'* at D.Y. Patil College of Engineering and Technology, Kolhapur, 35-39, ISBN: 978-81-920561-4-2, pp.35-39.
5. **P.P. Phadnis**, Dr. D. K. Kulkarni (2016), Performance Evaluation of Composite Steel-Concrete shear wall, *National conference on Computer Aided Analysis and Design of structures (CADDs-2016)* organized by Shri Dharmastala Manjunatheshwara College of Engineering and Technology, Dharwad, published in Bonfring International Journal of Man Machine Interface, Vol. 4, Special Issue, ISSN 2277-5064, pp.200-205.
6. **P.P. Phadnis** (2017), Choice Based Credit System, *National Conference on Impact Assessment and Accreditation on Higher Professional Institutes (A2HPI)* jointly organized by K.I.T.'s College of Engineering and Shivaji University, Kolhapur.

❖ Representative 10 latest publications in journals:

1. O.P. Suryawanshi, **P.P. Phadnis** (2015), Water Resources Management for Sustainable Development of Sadale-Madale Village, Kolhapur, *International Journal of Science and Research*, (IF: 4.438), ISSN: 2319-7064, pp.1173-1176.
2. **P.P. Phadnis**, Dr. D. K. Kulkarni (2016), Pushover Analysis of High Rise Reinforced Concrete Building with and without Infill walls, *International Research Journal of Engineering and Technology (IRJET)*, Volume: 03, Issue: 12, (SJIF IF: 5.181), e-ISSN: 2395 -0056, p-ISSN: 2395-0072, pp. 1427-1432.
3. **P.P. Phadnis** (2018), Seismic Fragility Curves of High Rise Masonry Infilled Reinforced Concrete Building, *International Research Journal of Engineering and Technology (IRJET)*, (SJIF IF: 7.211), Volume: 05, Issue: 6, e-ISSN: 2395 -0056, p-ISSN: 2395-0072, pp. 1914-1921.
4. **P.P. Phadnis**, D.K. Kulkarni, A.B. Kulkarni and V.V. Karjinni, (2018), Performance of Composite Steel-Concrete Shear Walls with Encased Vertical Steel Sections, *The Indian Concrete Journal*, Vol. 92, No.7, Design Special Issue, pp. 74-81, SCOPUS indexed, ISSN: 0019-4565, SJR impact factor (2018): 0.251, SCImoga H-index 18, UGC approved no. 15517.
5. **P.P. Phadnis** and V.V. Karjinni (2018), Effective configuration of composite shear walls in medium and high rise RCC buildings, *International Journal of Research and Analytical Reviews (IJRAR)*, UGC approved, (IF:4.236), e-ISSN: 2348-1269, p- ISSN: 2349-5138, PP. 605-612.
6. **Phadnis P.P.** and V.V. Karjinni, (2019), Design of Composite Shear Wall Encased with Vertical Steel Profiles, *Journal of Today's Ideas and Tomorrow's Technology*, pp. 61-72, Chitkara University, Chandigarh, Vol. 7, UGC approved no. 46157.
7. **Phadnis P.P.** and V.V. Karjinni, (2019), Effect of Infill on Fragility Analysis of Composite Shear Wall Buildings, *The Indian Concrete Journal*, SCOPUS indexed, Vol. 93, No.11, pp. 57-67, SCOPUS indexed, ISSN: 0019-4565, SJR impact factor (2018): 0.251, SCImoga H-index 18, UGC approved no. 15517.
8. **Phadnis P.P.** and V.V. Karjinni, (2019), Fragility for Steel-Concrete Composite Shear Wall Buildings with Torsional Irregularity, *Asian Journal of Civil Engineering, Building and Housing*, Vol. 20, No. 8, pp. 1163-1176, Springer, ISSN: 1563-0854, DOI: 10.1007_s42107-019-00174-6, SCImago Journal Rank (SJR): 0.227, SJR impact factor (2018): 0.60, H-index: 16.
9. **Phadnis P.P.** and V.V. Karjinni, (2019-2020), Interaction Diagrams for Concrete Shear Wall Reinforced by Encased Steel Profiles, *Journal of Structural Engineering, CSIR, Chennai*, Vol. 46, No.5, pp. 346-357, SCOPUS indexed, UGC approved no. 10695, ISSN: 0970-0137, SJR impact factor (2018): 0.129, SCImoga H-index 10.

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10. **Phadnis P.P.** and V.V. Karjinni, Fragility Curves for RCC Moment Resisting Frame System with Steel-Concrete Composite Shear Wall and Infill, *Journal of Structural Engineering, CSIR, Chennai*, SCOPUS indexed, UGC approved no. 10695, ISSN: 0970-0137, SJR impact factor (2018): 0.129, SCImoga H-index 10, accepted for publication on 22nd October, 2020.

❖ Workshop Attended:

1. Participated in 2 weeks ISTE workshop on “Solar Photovoltaics: Fundamentals, Technologies and Applications”, organized by IIT, Bombay sponsored by MHRD, 11th December 2011 to 22nd December 2011 at Department of Technology, Shivaji University, Kolhapur .
2. Participated in 2 weeks ISTE workshop on “Computational Fluid Dynamics”, organized by IIT, Bombay sponsored by MHRD, during 12th June, 2012 to 22th June, 2012 at Department of Technology, Shivaji University, Kolhapur.
3. Participated in 2 weeks ISTE workshop on “Introduction to Research Methodologies organized by IIT, Bombay sponsored by MHRD, during 25th June, 2012 to 4th July, 2012 Department of Technology, Shivaji University, Kolhapur.
4. Participated in 2 weeks ISTE workshop on “Engineering Thermodynamics”, organized by IIT, Bombay sponsored by MHRD, during 11st December, 2012 to 21st December, 2012 Department of Technology, Shivaji University, Kolhapur.
5. Participated in 2 weeks AICTE sponsored Faculty development Programme on 'Structural Dynamics and Earthquake Engineering" at Department of Applied Mechanics, Walchand College of Engineering, Sangli, during 3rd June, 2013 to 15th June, 2013 Department of Technology, Shivaji University, Kolhapur.
6. Participated in 2 weeks ISTE workshop on “Engineering Mechanics”, organized by IIT, Bombay sponsored by MHRD, during 26th November, 2013 to 6th December, 2013.
7. Participated in 2 weeks ISTE workshop on “Computer Programming”, organized by IIT, Bombay sponsored by MHRD, during 16th June, 2014 to 23rd June, 2014 Department of Technology, Shivaji University, Kolhapur.
8. Participated in 2 weeks ISTE workshop on “Cyber Security”, organized by IIT, Bombay sponsored by MHRD, during 10th – 20th July, 2014 Department of Technology, Shivaji University, Kolhapur.
9. Participated in 1 week Continuing Education and Quality Improvement Programme on ‘Computing Techniques for Solving Engineering Problems’ organized by Department of Technology, Shivaji University, Kolhapur during 18th February to 22nd February, 2015 sponsored by TEQIP.
10. Participated in 1 week Faculty development Programme ‘Fundamentals of Structural Dynamics and Application to Earthquake Engineering’, organized by Sajay Ghodawat Group of Institutions, Atigre during 7th December, 2015 to 12th December, 2015.
11. Participated in 1 week short term Training program on “Optimization Techniques and Awareness on Research” organized by Ashokrao Mane Group of Institutions, Vathar Tarf Vadgaon sponsored by AICTE during 30th December, 2019 to , 3rd January, 2020.
12. Participated in 12 weeks MOOC Faculty Development Program on “Advanced Concrete Technology” organized by NPTEL-AICTE through SWAYAM NPTEL-AICTE through SWAYAM during July-October 2019.
13. Participated in 1 week online workshop on “Seismic Analysis of Multistoried RC Building using SAP2000 and ETAB” organized by Department of Civil Engineering, WCE, Sangli sponsored by TEQIP-III during July 22nd – 26th 2020.

❖ M.Tech Thesis Guided

M.Tech Thesis Title: 'Techno-Social study of Watershed Management for Village in Kolhapur district'

Name of student: Mr. Omkar P. Surywanshi

❖ Additional computer skills:

1. AutoCAD, STAAD.PRO, ETABS, SAP, ANSYS

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❖ **Preparation and Development of Absolute Grade Credit system for B.Tech**

❖ **Design of Curriculum**

1. Working as a member of Program Advisory Board of Civil Engineering
2. Preparation and Development of syllabus for First Year B.Tech of subjects Engineering Mechanics and Fundamentals of Civil Engineering Syllabus
3. Preparation and Development of Second, Third and Final Year B.Tech Civil Engineering Syllabus

❖ **Additional academic skills/activities: -**

1. Working as in charge of Concrete Technology laboratory.
2. Working as a member of Admission Committee.
3. Working as library committee member for Civil Engineering.
4. Working as organizing committee member of Women's Day Programme.
5. Working as coordinator of Women's cell at Department of Technology, Shivaji University, Kolhapur.
6. Carried out Structural audit of University buildings in 2018.
7. Worked as Syllabi Coordinator since 2011 to May, 2016
8. Worked as Session-Chair for INSPIRE-2012, Science camp, sponsored by Department of Science and Technology, Govt. of India, organized by Department of Technology, Shivaji University, Kolhapur
9. Worked as organizing committee member for National Conference on Emerging Technologies for Sustainable Developments NCET-2012.
10. Worked as organizing committee Member for INSPIRE Science Camp 2012.
11. Worked as organizing committee Member for sports and cultural programs
12. Worked as organizing committee Member for Women's day program

❖ **Additional social activities:**

1. Blood Donation
2. Tree Plantation