



SURAJ NARENDRA KHANTE

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CONTACT DETAILS

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DATE OF BIRTH

13-07-1967

NATIONALITY

Indian

LANGUAGES

English, Hindi, Marathi

SOFTWARE PROFICIENCY

STAAD-Pro

NISA

SAP2000

RESEARCH INTERESTS

FEM

Thick Plates

Earthquake Engineering

Structural Health Monitoring

Nonlinear Dynamics Analysis

CURRICULUM VITAE

Education

1988 VRCE Nagpur, Nagpur University Nagpur
B.E Civil Engineering

1993 VRCE Nagpur, Nagpur University Nagpur
M. Tech Structural Engineering

2008 SGSITS Indore, RGPV Bhopal Bhopal
Ph. D Structural Engineering (Structural Dynamics, Thick Plates,
FEM, Non-linearity)

Employment Record

24-05-88 to 15-06-89 Building Supervisor, Arch. Khubalkar, Nagpur

16.06.89 to 01.12.91 Lecturer in Civil Engg. KITS, Ramtek

02.12.91 to 30.01.92 Lecturer in Civil Engg. B D College of Engg., Wardha

31.01.92 to 30-05-96 Lecturer in Civil Engg. Govt. Polytechnic, Nagpur

31-05-96 to 31-12-05 Lecturer in Applied Mechanics, GCoE, Amravati

01-01-06 to 27-08-21 Associate Professor in Applied
Mechanics, GCoE, Amravati

28-08-21 to till date Associate Professor in Applied
Mechanics, GCoE, Nagpur

Responsibilities Shouldered :

Dean Academics from 2013 to May 2016, GCoE, Amravati

Dean Finance from May 2016 May 2019, GCoE, Amravati

Dean Planning and Admin. from May 2019 to Aug 21, GCoE, Amravati

Chief Coordinator, GCoE, Ratnagiri (Deputation) July 21 to till date

Accomplished Consultancy Assignments (Structural Design, Design
Scrutiny, Structural Audit, Third Party Audit, etc.)

Publications

JOURNAL 21

CONFERENCES 30

BOOK(Chapters) 03

Citations h index -5 i10 index -1

Membership of Scientific and Professional Societies:

Institution of Engineer, Indian Society for Technical Association, Indian
Society for Earthquake Technology, India Chapter of American Concrete
Institute, International Association for Bridge and Structural Engineers, Indian
Concrete Institute, Indian Institute of Bridge Engineers.

Notable Contributions

Chairman APEC, Member BOM, Member Senate, Member Exam
Committee, Hostel Warden, Development of Innovative teaching aids, Reviewer
in International Journal 'Nonlinear Dynamics', Springer, JEST, Institution of
Engineers(India), International Conferences, conducted ACMES 2014
International Conference as convenor

Awards

'Eminent Engineer 2008' by IE Local Chapter

■ Consultancy Assignment Completed

Year	Organization	Project Title
1997-98	Exe. Engineer Envr. Engg. Dvn. II Amravati	Checking of RCC Design of Augmentation to WSS Morshi
	Arch. Wankhade, Amravati	R.C.C. Design and Drawing for Godown, Class III and IV quarters for MSBS&HS Education, Amravati
1998-99	Arch. Wankhade, Amravati	R.C.C. Design and Drawing for Mah. State Institute of Women for Adult Education, Amravati
	Exe. Engineer Work. Dn. No. 1 MJP Akola	Scrutiny of Drawing & design for Scaffolding /Shuttering of container base slab for RCC ESR at Akola
99-2000	Exe. Engineer MJP Works Dvn. Chikhali	Scrutiny of Drawing & design for 8.00 lakh lit. capacity RCC ESR at Mehkar
	Assistant /Exe. Engineer EHV Civil Construction Sub Dvn. MSEB, Akola	Structural problems at 132 kV Durgwada substation
	Exe. Engineer MJP Works Dvn. No. 2 , Amravati	Scrutiny of DhanodiMalkhed combined VWSS. Tq. Warud
	Exe. Engineer MJP Works Dvn. No. 2 , Amravati	Scrutiny of Drawing & design for 5.50 lakh lit. capacity RCC ESR at Warud
	Exe. Engineer MJP Works Dvn. No. 2 , Amravati	Scrutiny of Structural Drawing & design for Chief Engineer Quarter at Maltekdi, Amravati
2000-01	Shri Rathi, Vyanktesh Talkies, Ansing	Soundness Certificate
	Exe. Engineer MJP Works Dvn. No. 2 , Amravati	Scrutiny of dome (top) and bottom slab for RCC ESR at Badnera
2001-02	Vardhaman Associates, Amravati	Structural Design for Central park, Amravati
	SDE, Purna Medium Project, Vishroli	Calibration of Batching plant
	Secretary, VWSC, Shrajaon (Band), Amravati	Scrutiny of design And Drawing of sump and Pump house
2002-03	Arch. V. B. Wankhade, Amravati	Structural design and Drawing for Tenements for MHADA at Topenagar, Amravati
2006-07	N. M. Aidasani, Amravati	Structural Design and Drawing of Rest Room for coolies
	Exe. Engineer I Civil Dn. Akola	Precautionary measures for EHV S/Station Durgwada
	Shri Sahu, Amravati	Construction of SanskrutikBahavan at Hartala
2008-09	Indira Sahakari Soot Girni,Ltd., Wardha	Checking of Bills of construction of shed
	Executive Engineer, PWD, Achalpur	Scrutiny of structural design of Fast Track Court Building, Achalpur
	Arch. Wankhade, Amravati	R.C.C. Design and Drawing for Hall, Watchman's Quarter, Zilla Sainik Board, Amravati
2009-10	Section Engineer, C Rly, Badnera	Structural Design & Drawing for Provision of D G set of 100 KVA along with room at Badnera
	Section Engineer, C Rly, Shegaon	Structural Design & Drawing for Provision of D G set of 30 KVA along with room at Shegaon
	Indira Gandhi Soot Girni Wardha	40 M T weigh bridge structural design
2009-10	SDO Bordi Nala Project, Chandurbajar	Structural Design for concrete conduit for Dam
	A B projects Pvt Ltd.	Design Cheking
	Senior Section Engineer (W) Central railway, Akola	Checking of RCC Drawing for façade for ticketing window building
	Dy Conservator of Forest	Structural Design of Van Chetana Kendra
2010-	Nisnat Associates, Amravati	Scrutiny of Structural Design

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2011-12	Arch V B Wankhade, Amravati	RCC design of Girls' Hostel at Sant Gadgebaba Amravati University, Amravati
	N. B. Zagade, Contractor, Amravati	RCC Design of Water Tank
	Arch. Belankar, Amravati	RCC design of Classic Parkview
	Fortress Infrastructure, Advisory services, Mumbai	RCC design scrutiny of Retaining wall, Channel, etc
2012	Nagar Parishad, Chikhaldara	Third party inspection
2013	Arch. Khandarkar	RCC design Flat Scheme for Kelkar Infracon
2015	MIDC, Amravati	Design scrutiny and designs for various structures
2016	MIDC, Amravati	Design & Drawing of Compound Wall of Effluent Collection Sump Plot
	Shreehari Associates (P) Ltd., Aurangabad	Design and Vetting of Slab Drain
	MIDC, Amravati	Design & Drawing Scrutiny of Office Room and Generator room of Effluent Collection Sump
2017	Shri Tirupati Balaji Construction Company, Amravati	Design Drawing Scrutiny for Bazar Otte
	Shri Shrivastav, Railway Contractor for Indian Railways	Proof Checking of RCC Design of Railway Station building, Nainpur
	Shreehari Associates (P) Ltd., Aurangabad, For MIDC, Amravati	Structural design of Monorail Gantry Girder and pipe supporting arrangement
	Dy. Engineer, MIDC, Amravati	Design Scrutiny of 1000 m ³ capacity Sump
	Dy. Director, Sports & youth Service, Amravati	Structural Audit of Spectator Gallery of District sports complex, Amravati
	Dy. Chief Engineer (WP) BD	Proof Checking for the construction of Boundary wall for Wagon repair(POH) w/s
2018	Raj Construction, Samarth Nagar, Lakhni for Indian Railways	Proof Checking of RCC Design of Railway Station building, Lamtha
	Shri Tirupati Balaji Construction Company, Amravati	Design Drawing Scrutiny for Revised RCC design of BazarOtte, Shirala
	Dy. Engineer, MIDC Sub Div. (Civil), Amravati	Drawing and Design of Slab Drain at MIDC Teosa for upper Wardha Canal
	Dy. Engineer, MIDC Sub Div. (Civil), Amravati	Structural Audit of CFC building at MIDC Amravati and NDT
	Chief Officer Warud Municipal Council, Warud	Condition Assessment of ESR at Warud and NDT
	Chief Officer Municipal Council, Khamgaon	Pavement Design for Rigid Pavement
	Samruddhi Infrastructure, Amravati	Proof Checking of RCC Design for Compound wall at LPG Bottling plant Nagpur
	Dy. Engineer, MIDC Sub Div. (Civil), Amravati	Preparation and Vetting of design and Drawing for Slab drain at MIDC, Amravati

■ Papers published in Journals

1. S.N. Khante and V.R. Rode 'Non-Linear Dynamic Bending Analysis of Plates Using Higher Order Shear Deformation Theory', International Journal 'Nonlinear Dynamics', Vol. 43 (3) 2006 pp 257-275'

2. S.N. Khante,V.R. Rode and TarunKant'Response Of Damped Plates Using A Higher Order Shear Deformation Theory', International Journal 'Nonlinear Dynamics', Vol. 47 (4) 2007 pp 389-403
3. S.N.KhanteandL.R.Wankhade 'Study of seismic responseof symmetric and asymmetric base isolatedbuilding withmass asymmetry in plan',International Journal of Civil and Structural Engineering, Vol. 1, No 4 – 2011 pp 897- 909
4. S.N. Khante and Santosh Chaudhari'Evaluation of cable stayed bridges for different Cable configurations', The bridge and structural Engineer, Vol. 41 No. 2, June 2011
5. L.R. Wankhade and S.N. Khante 'Comparative Study of Seismic Response of Base Isolated Building with Plan Eccentricities and Elevation Eccentricities', International Journal of Advanced Structural Engineering, Vol. 3, No. 1 PP 85-100, July 2011
6. S.N. Khante and BhuashanNirwan'Mitigation of Response of Asymmetric Building using Passive Tuned Mass Damper', International Journal of Scientific and Engineering Research, Vol.4 Issue 7, July 2013
7. S.N. Khante and Amol Kale 'Effect of Pounding on Multistorey Adjacent Elastic R.C. Buildings without Seismic Gaps Under Earthquake Excitation', Structural Engineering Journal (SERC), Vol. 40 No.3, August- September 2013 pp 224-234
8. S.N. Khante and Aniket Nemade'Performance of Beam-Column Joint using Non-conventional Reinforcement Technique under cyclic load', Journal of Civil Engineering and Environmental Technology, Vol. 2 No.9, April-June 2015 pp 49-53
9. S.N. Khante andShruti Gedam(2016), "PZT Based Smart Aggregate for Unified Health Monitoring of RC Structures', Open Journal of Civil Engineering, 06(01):42-49 · January 2016
10. S.N. Khante and Ashwini Rankhamb (2016),"Structural Health Monitoring Using Metal Wire Based Piezo-Impedance Transducer', IJRET: International Journal of Research in Engineering and Technology, Volume: 05 Special Issue: 02 DPMRSS-2016
11. S.N. Khante and RutujaMeshram (2016),"Effectiveness of Water Tank as Passive TMD for RCC Building', IJER, Volume 5 Special Issue 3 NCASE-2016
12. Shruti Gedam and Suraj Khante(2016), "Experimental Investigation on Sensitivity of Smart aggregates Embedded in Reinforced Concrete Beam", Scientific Research Publishing,Open Journal of Civil Engineering,2016,6,653-669
13. Ashwini Rankhamb and Suraj Khante (2016), "Damage Detection of Curved Surfaces Using Advanced Piezo Impedance Transducers", Scientific Research Publishing,Open Journal of Civil Engineering,2016,6,722-736
14. S. S. Sanghai and S. N. Khante, Seismic Response of Unsymmetric Building with Optimally Placed Friction Dampers. International Journal of Civil Engineering and Technology, 8(2), 2017, pp. 72–88
15. S.N.Khante and Rahul Jain (2017)'Identification of Strength Gain of Precast Concrete During Initial Period using Reusable PZT,International Journal of Innovative Research in Science, Engineering and Technology, 6, special issue, 716-722
16. S.N. Khante and Sarvesh S Chikte,'Defect Detection of Concrete Filled Steel Tubes with PZT based Technique', International Journal of Innovative Research in Science, Engineering and Technology,6, special issue, 673-678
17. S.N Khante and Nidhi Jain, 'Corrosion Identification and Assessment of a Steel Pipeline using EMI Technique', InternationalJournal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.5, Issue 5, page no.726-737, May-2018
18. S.N Khante and Akash Kodam, 'Identification of Shear Deficiency and Shear Strength Gain Using EMI Technique', International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.5, Issue 5, page no.618-625, May-2018

19. S. N. Khante and Saurabh M. Bhoir, "Use of Different Modified Dual Piezo Configurations on RC Beam using EMI Technique", International Journal on Emerging Trends in Technology (IJETT), ISSN: 2455 - 0124 (E), August 2019.
20. AB Ugale and SN Khante, "Role of different types of varying hoops reinforcement in RC beam-column joint performance" Materials Today: Proceedings ISSN: 2214-7853, in press.
21. Ashish B.Ugale and Suraj N.Khante, "Study of energy dissipation of reinforced concrete beam-column joint confined using varying types of lateral reinforcements"Materials Today: Proceedings ISSN: 2214-7853, in press

■ **Papers Presented/Published in Seminars/Conferences**

1. S.N. Khante and V.R. Rode (2003), 'Advances in Non-linear Dynamic Bending Analysis of Thick and Thin Plates', ETSMC 2003, N.I.T. Rourkela,
2. V.R. Rode and S.N. Khante (2003), 'Finite Element Elasto-plastic Bending Analysis of Square Plates with Square Cut-out', ETSMC 2003, N.I.T. Rourkela,
3. S.N. Khante and V.R. Rode (2004), 'Effect of Tangential Modulus on Transient Dynamic Non-linear Response of plates Using Higher Order Shear Deformation Theory', RASE 2004, J.N.T.U. Engg. College Anantpur,
4. S.N. Khante and V.R. Rode (2004), 'Elasto-plastic Dynamic Analysis of Plates Using Higher Order Shear Deformation Theory', SEM 2004, B.I.T.S Pilani,
5. S.N. Khante and V.R. Rode (2004), 'Damped Transient Nonlinear Response of Plates Using Higher Order Shear Deformation Theory' , 49th Congress of ISTAM (An International Meet), N.I.T. Rourkela,
6. S.N. Khante and V.R. Rode (2005), 'Nonlinear Dynamic Response of Plates To Different Loading Pulses Using A Higher Order Shear Deformation Theory', SEC-2005, IISc Bangalore.
7. S.N. Khante and Trupti Nag (2006), 'Comparison of provisions for earthquake resistant design for tanks on shaft: IS 1893-1984 and Draft code IS 1893-2002', EQADS 2006, PSG college of Technology, Coimbatore.
8. S.N. Khante and P.R. Thele(2006), 'Seismic analysis of reinforced concrete frames infilled with siporex(Autoclaved aerated blocks) and its comparison with conventional infill', EQADS 2006, PSG college of Technology, Coimbatore.
9. S.N. Khante and Pallavi Thele(2006), 'Effect of various infills on dynamic response of Reinforced concrete frames', ICEE 2006, SASTRA Tanjavur.
10. S.N. Khante and S.J.Chaudhari (2006), 'Analysis of cable stayed bridge for different cable configurations', CES-2006, University College of Engg., Osmania University.
11. S.N. Khante and Trupti Nag (2007), 'Buckling analysis of shaft (supporting water tank)', ETDCE-2007, GCOE Amravati.
12. S.N. Khante and Chittaranjan Nayak (2009), 'Linear dynamic analysis of eccentrically stiffened plates with/ without cut out', RDAMSE-2009, Jalpaigudi Govt. Engg. College, Jalpaigudi(WB).
13. S.N. Khante and R.M. Khobragade (2009), 'Mitigation of seismic response of reinforced concrete building using coupled building control', RDAMSE-2009, Jalpaigudi Govt. Engg. College, Jalpaigudi(WB).
14. S.N. Khante and Kavita Ganorkar (2009), 'Dynamic analysis of RCC chimneys with & without openings', NEC 2009, Dayanand Sagar College of Engineering, Bangalore.
15. S.N. Khante and A.D. Kale (2009), 'Effect of pounding on elastic and inelastic multistory adjacent R. C. buildings under earthquake excitation', Recent Trends & Challenges in Civil Engg. , KITS, Ramtek, (MS).
16. S.N. Khante and L.R Wankhade (2011), 'Seismic Response of Base Isolated Symmetric Building Having Unidirectional Eccentricities in Plan', International Conference on Sunrise Technologies, SSVPS's B S Deore College of Engineering & Poly, Dhule.

17. S.N. Khante and L.R Wankhade (2011), 'Seismic Response of Base Isolated Symmetric Building Having Unidirectional and Bidirectional Eccentricities in Plan', International conference on Civil Structural and Environmental Engineering ICSEE-2011, KSR College of Engineering Tiruchengode, Namakkal.
18. S.N. Khante and Lokesh Bharsagade(2012), 'Seismic Behavior of Steel Building Frame with Steel Plate Shear Wall', National Conference on Emerging Trends in Engg. Tech. & Architecture NCETETA 2012, D Y Patil College of Engineering& Tech, Kolhapur.
19. S.N. Khante and S.S. Sanghai (2012), 'Optimal Placement of friction Dampers for Passive Response control of Symmetric RCC Framed Buildings', National Conference on Emerging Trends in Engg. Tech. & Architecture NCETETA 2012, D Y Patil College of Engineering& Tech, Kolhapur.
20. S.N. Khante and A.K Singhaniya(2012), 'Effect of Regular and Irregular Distribution of Brick infill walls in Plan on Seismic behavior of the Symmetric Structures', National Conference on Emerging Trends in Engg. Tech. & Architecture NCETETA 2012, D Y Patil College of Engineering& Tech, Kolhapur.
21. S.N. Khante and B.P Nirwan (2012), 'Improved Seismic Performance of Multistoried RCC Building Using Passive Tuned Mass Damper', A National conference on Emerging Technologies for Sustainable Developments NCET- 2012, Dept of Tech. Shivaji University, Kolhapur, MS.
22. S.N. Khante and B.P Nirwan (2013), 'Seismic Performance of Asymmetric Building Using Passive Tuned Mass damper', 2nd International conference on Advancements in Engineering and Management RITS ICAEM-2013, Royal Institute of Tech. & Management, Hyderabad.
23. S.N. Khante and RutujaMeshram(2014), 'Seismic Response of RCC Building with Water Tank at Different Plan Locations as Passive TMD', Recent Applications of Mathematical Tools in Science and Technology, Govt. College of Engineering, Amravati.
24. S.N. Khante and RutujaMeshram (2014), 'Improved seismic performance of RCC building irregular in plan with water tank as passive TMD', 7th European Workshop on the Seismic Behavior of Irregular and Complex Structures, Opole University of Technology, Poland.
25. S.N. Khante and S.B Nangnurwar (2014), 'Flaw Detection in Steel Structural Members using PZT Sensors', Advances in Civil and Mechanical Engineering Systems ACMES 2014, Govt. College of Engineering, Amravati.
26. S.N. Khante and B.D Sangai (2014), 'Employing Low frequency Piezoelectric Material for Structural Health Monitoring', Advances in Civil and Mechanical Engineering Systems ACMES 2014', Govt. College of Engineering, Amravati.
27. S.N. Khante and A.V. Nemade (2015), 'Performance of Beam-Column Joint using Non-conventional Reinforcement Technique under cyclic load', MECIT2015, Jawaharlal Nehru University, New Delhi.
28. S.N. Khante and B.D. Sangai (2015), 'Monitoring of Concrete Structures by Electro-Mechanical Impedance Technique', 31st National Convention of Civil Engineers, Gujarat State Center The Institution of Engineers Ahmadabad
29. S.N.Khante and Rahul Jain (2017) 'Identification of Strength Gain of Precast Concrete During Initial Period using Reusable PZT, International Conference on Recent Trends in Engineering & Science (ICRTES 2017), Govt. College of Engineering, Jalgaon
30. S.N Khante and Sarvesh S Chikte Defect Detection of Concrete Filled Steel Tubes with PZT based Technique', International Conference on Recent Trends in Engineering & Science (ICRTES 2017), Govt. College of Engineering, Jalgaon

■ **Book Authored**

- Chapter Contributed to Book “Seismic Behaviour and Design of Irregular and Complex Civil Structures II” Eds.: Zembaty, Zbigniew, De Stefano, Mario, publisher **Springer** ISBN 978-3-319-14246-3

“Improved Seismic Performance of RCC Building Irregular in Plan with Water Tank as Passive TMD” Khante, Suraj N. and Meshram, Rutuja pp 323-332

- Chapter Contributed to Book “Green Buildings and Sustainable Engineering” Editors-Drück, H., Pillai, R.G., Tharian, M.G., Majeed, A.Z. (Eds.)

“Erosion Identification and Assessment of a Steel Pipeline Using EMI Technique” Khante, S. N. and Nidhi Jain, pp 347-355(<https://www.springer.com/us/book/9789811312014>)

ISBN 978-981-13-1202-1

- Chapter Contributed to Book ‘ Smart Technologies for Energy, Environment and Sustainable Development’ Editors Mohan Lal Kolhe, Pawan Kumar Labhassetwar, H. M. Suryawanshi ISBN 978-981-13-6147-0 ISBN 978-981-13-6148-7 (eBook)

“Damage Detection of Shear Strengthened (Originally Deficient) Reinforced Concrete Beams Using EMI Technique” Khante, S. N. and Akash Kodam pp 497-508

■ **Conference Co-ordinated**

Sr. No.	Name of the Conference	Date	Responsibility
1.	International Conference on Advances in Civil and Mechanical Engineering (ACMES-2014)	Dec. 22-23, 2014	Convener
2	Emerging Trends and Developments in Civil Engineering ETDCE-2007	22-23 March 2007	Travel and Accommodation coordinator

■ **Training Programs Coordinated**

Sr. No.	Name of Short Term Courses	Date	Sponsored by
1.	Seismology and Earthquake Engineering	Dec. 04 to 08, 2006	ISTE, TEQIP
2.	Application of F E Structural Engineering software to Structural Dynamics	08-03-08	TEQIP
3.	Modeling, Analysis and Design of different Structures Using SAP and E-Tabs	09-02-09 to 14-02-09	TEQIP
4.	Recent Advances in Structural Dynamics	18-02-19 to 23-02-19	AICTE

■ **Workshops coordinated:**

Sr. No.	Name of Workshop	Date	Sponsored by
1.	Structural Audit: Concept Scope & Procedures	09 & 10-08-16	TEQIP
2	Piezoelectric Materials: Applications to SHM, Energy harvesting and Bio-Mechanics	27-01-2017	TEQIP

■ **Reviewed papers for journals and conferences**

Sr. No.	Name of Journal/ Conference	Organizer / Publisher	Conference date
1.	Advances in Civil and Mechanical Engineering Systems(ACMES 2014)	GCoE, Amravati	Dec. 22-23, 2014
2	7 th European Workshop on the Seismic Behavior of Irregular and Complex Structures	Opole University of Technology, Poland Springer	19-21, Oct. 2014
3	International Journal Nonlinear Dynamics	Springer	N.A.
4	International Conference on Recent Trends in Engineering & Science (ICRTES 2017)	GcoE, Jalgaon	20-21 Jan 2017
5	International conference on Smart Technologies for Energy ,Environmental& sustainable Development (ICSTEESD)	G. H. Rasoni College of Engineering, Nagpur	28 and 29 July 2018
6	Journal of Engineering Science & Technology	Taylor's University	N.A.
7	Journal of The Institution of Engineers (India) Series A	The Institution of Engineers (India)	N.A.

■ **Membership of Scientific and Professional Societies:**

Sr.No.	Name of the professional Body	Type of membership	Membership No.
1.	Institution of Engineers	Life member	M134567-7

2.	Indian Society for Technical Association	Life member	LM-12564
3.	Indian Society for Earthquake Technology	Life member	LM1333
4.	International Association for Bridge and Structural Engineers	Individual member	425886
5.	Indian Institute of Bridge Engineers	Fellow	LF-1656
6.	India Chapter of American Concrete Institute	Life Member	LM.07.040
7.	Indian Concrete Institute	Individual Member	864

■ Conferences Attended

Sr.No.	Name of Conference	Organized by	Date
1.	Emerging Trends in Structural Mechanics and Composites	N.I.T. Rourkela	01-11-2003 to 02-11-2003
2.	Recent Advances in Structural Engineering	J.N.T.U. Engineering College Anantpur	09-09-2004
3.	Structural Engineering and Mechanics	B.I.T.S. Pilani	24-09-2004 to 25-09-2004
4.	49 th Congress of ISTAM (An International Meet)	N.I.T. Rourkela	27-12-2004 to 30-12-2004
5.	Emerging Trends and Developments in Civil Engineering 2007	GCOE, Amravati	22-03-2007 To 23-03-2007
6.	Emerging trends in engineering & Technology (NCETET-2012)	VPCoE, Baramati	28-02-12 to 29-02-12
7.	Recent Applications of Mathematical Tools in Science and Technology	Govt. College of Engineering, Amravati	08-03-14 to 09-03-2014
8.	International Conference on Advances in Civil and Mechanical Engineering (ACMES-2014)	GCOE, Amravati	22-12-14 to 23-12-2014
9.	31 st National Convention of Civil Engineers	Institution of Engineers, Gujrat State Center, Ahmedabad	30-08-15 to 31-08-15
10.	Disaster Preparedness, Mitigation and Reconstruction of Sustainable Society	VNR Vignana Jyothi Inst. Of Engg. & tech. Hyderabad	11-12 Feb 2016
11.	Advances in Structural Engineering	Govt. College of Engineering, Karad	27-28 Feb. 2016
12.	International Conference on Appropriate Technology for Sustainable Development,	JD College of Engineering & Management, Nagpur,	17 th & 28 th March 2018

■ Short Term Courses Attended

Sr. No.	Name of Short Term Courses	Date	Organized by
1.	Industrial training for Training and Placement Officers	02-11-1992to 29-01-1993	T.T.T. I Bhopal
2.	Conducting surveys and researches on interaction for T.P.O.'s and resource persons	22-02-1993to 26-02-1993	T.T.T. I.Bhopal
3.	Induction training for technical teachers – Phase I	07-06-1993to 02-07-1993	T.T.T. I.Bhopal
4.	Computer aided analysis of structures (static and dynamic)	13-10-1997to 18-10-1997	V.R.C.E.Nagpur
5.	Structural Steel Design for UniversityFaculty	18-06-2001to 23-06-2001	I.I.T.Bombay
6.	Seismic analysis of structures	27-11-2001to 07-12-2001	V.R.C.E.Nagpur
7.	Earthquake resistant design of earth structures	25-11-2002to 29-11-2002	I.I.T. Kanpur
8.	New Building materials and cost Effective construction techniques	10-12-2004to 23-12-2004	S.A.T.I.Vidisha
9.	Energy and Environment: Management In New Millennium	05-12-2005to 16-12-05	GCOEAmravati
10.	Computer Hardware Maintenance	30-12-2005to 01-01-06	GCOEAmravati
11.	Improving Personal Effectiveness and Excellence Programme (I-PEEP)	22-05-06 to 26-05-06	GCOEAmravati
12.	Management Capacity Development Programme on Knowledge Management	29-01-07 to 02-02-07	NIT, Tiruchirappali
13.	IS-800-2007	29-04-08 to 30-04-08	VNIT, Nagpur
14.	Modeling, Analysis & Design of the structures using SAP2000 & ETABS	09-02-09 to 14-02-09	GCOE, Amravati
15.	Energy conservation and sustainable development	21-06-10 to 02-07-10	GCOE, Amravati
16.	Energy Conservation Opportunities in Small & Medium Scale Industries (ISTE approved)	23 rd April to 28 th April 2012	GCOE, Amravati
17.	Applications of Optimization in Engineering	15-19 May 2012	GCOE, Amravati

18	Finite Element Method and Applications in Civil Engineering	02-06 July 2012	IIT Bombay
19	e-Learning Tools and Technologies in P G Education	29 th Oct. To 02-Nov. 2012	GCOE, Amravati
20	Operation Research Applications in Industry and Services	26-30 Nov. 2012	GCOE, Amravati
21	MATLAB and SIMULINK Fundamentals	03 Dec. To 07 Dec 2012	GCOE, Amravati
22	Leading with Joy: Leveraging the Mind to Achieve Greter Impact	20-22 Nov. 2013	IIM, Bangalore
23	Mobile Application Development using Android: A Next Generation Platform	02-13 Dec. 2013	PICT, Pune
24	Open Source Tools Hands-on Course on Arduino Microcontroller, PLC and Sandhi, a Labview alternative	29-30 Nov. 2015	GCOE, Amravati
25	Conflict Resolution	17-21 Oct 2016	National Productivity Council, Delhi
26	Recent Advances in Structural Dynamics	18-02-19 to 23-02-19	GCOE, Amravati

■ Workshops Attended

Sr.No.	Name of the Workshop	Organized By	Date
1.	Seismic Evaluation and Retrofit of Multi-Storied Building	IIT Madras	12 March 2005
2.	Restructuring of curriculum in Civil Engineering	GCOE Amravati	3 rd September 2005
3.	How to convert research into Patent	GCOE Amravati	20 th March 2006
4.	Problems in Nonlinear Mechanics of Solids with Large Deformation	IIT Delhi	22- 24 th November 2006
5.	Concrete Mix Design	Ambuja Cement	1-2 Aug. 2008
6.	IS-800 2007	INSDAG & BIS	16-17 Nov. 2008

7	Rehabilitation and Retrofitting of RC Structures using FRP Composites	VNIT, Nagpur	15-16 March,2013
8	Mechanical Sciences Conclave	IIT Gandhinagar	13-14 March 2015
9	Outcome Based Education	GCOE, Amravati	6-7 May 2015
10	Analysis of Engineering Systems using FEM	BITS-Pilani, Hyderabad Campus	July 14-16, 2016
11	Structural Audit: Concept, Scope & Procedures	GCOE Amravati	9&10 Aug.2016
12	Piezoelectric Materials: Applications to SHM, Energy harvesting and Bio-Mechanics	GCOE Amravati	27 Jan. 2017

■ Conference Key note Speaker / Invited talk/ Session Chairman

Sr.No.	Name of the Conference	Organized By	Date	Responsibility Shared
1.	Emerging trends in engineering &Technology (NCETET-2012)	VPCoE, Baramati	28-02-12 to 29-02-12	Keynote Speaker
2.	Recent Applications of Mathematical Tools in Science and Technology	Govt. College of Engineering, Amravati	08-03-14 to 09-03-2014	Session Chairman
3	Advances in Structural Engineering	Govt. College of Engineering, Karad	27-28 Feb 2016	Keynote Speaker
4	International Conference on EmergingTechnology in Structural Engineering (ETSE-2017)	KDK college of Engineering Nagpur	27-28 th March 2017	Session Chairman
5	International Conference on Appropriate Technology for Sustainable Development,	JD College of Engineering & Management, Nagpur,	27 th & 28 th March 2018	Session Chairman

■ Resource person to Training Programs

Sr.No.	Name of the Training Program	Organized By	Date
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1.	STTP on Finite Element and Analytical Solutions	S.R.E.S. College of Engineering Kopargaon-423601, Ahmednagar, Maharashtra, India	26/04/15 to 30/04/15
2	Ecofriendly Construction Techniques in Civil Engineering	JSPM Dr. N. P. Hirani Institute of Polytechnic, Pusad	19/12/14 to 24/12/14
3	Advances in Civil Engineering	Dr. Babasaheb Ambedkar College of Engineering and Research, Wanadongri, Nagpur 441110	18/12/17 to 32/12/17
4	Fundamental Principles of Effective Teaching and Learning	Govt. College of Engineering, Amravati	02/04/18
5	Basics of Structural & Geotechnical Dynamics	P. R. Pote (Patil) College of Engineering and Management, Amravati	18th June to 23rd June 2018
6	Advances in Structural Dynamics	Govt. College of Engineering, Amravati	18/02/19 to 23/02/19
7.	Structural Health Monitoring and Auditing	Govt. College of Engineering, Nagpur	24/06/19 to 28/06/19
8.	Advances in structural Engineering Recent Trends	Shri Guru Gobind Sighji Institute of Engineering and Technology, Nanded	01/10/19 to 05/10/19

■ Research Project

“PERFORMANCE OF REINFORCED CONCRETE EXTERIOR BEAM COLUMN JOINT SUBJECTED TO CYCLIC LOADING”,

Cost- 13.55 lakhs, Year- 2012-14

■ Significant Achievements

- Presently working as Chief Coordinator on Deputation at Govt. College of Engineering, Ratnagiri
- **Dean Planning and Administration and Member Secretary**, ‘Finance Committee’ (2019-2021)
- Earlier Dean Academics (2013-2016) Dean Finance and Systems (2016 to 2019) at GCOE, Amravati
- BoS Civil Engineering at **Govt. College of Engineering, Jalgaon (2013-2019)**
- Empanelled on AICTE Expert Committee
- Empanelled on MPSC
- Empanelled on **R S T University, Nagpur**
- **In the capacity of Dean Academics (2013 -2016)**
 - a. Introduced **hall ticket** for an exam- previously I card was used without indication of backlog courses.

- b. Provided I card to students on **day 1** after admission- the students can access library books without delay.
 - c. Purchased **new dot net based upgraded MIS software** and introduced all Rules and regulations in it with **least manual interventions**.
 - d. Strictly followed **academic calendar** for all academic activities.
 - i. Registration of students
 - ii. Paper set submission deadlines
 - iii. Paper valuation dead lines
 - iv. Result declaration
 - e. Maintained rapport with MIS software vendor to inculcate **fast improvements in software**.
 - f. Introduced direct entry to Dean Academics to all students- nearly **zero pending complaints** related to students.
 - g. Introduced schemes for **better peer to peer relations** amongst Dean office staff.
 - h. Organized '**Graduation Ceremony**' thrice.
- Worked as a **warden** of Hostels (boys) having a capacity of 180 students for seven years and six months- increased students participation in hostel management.
 - Involved in the '**Structural Design**' and also proof checking consultancy works of various structures like multistoried buildings (residential and commercial), water tanks, etc. and testing of construction materials.
 - Carried out structural design of the Central Library Building under TEQIP **in-house**. The building has been designed to withstand earthquake forces with ductile detailing. Also involved in getting sanction from SPFU, NPIU, Tendering, supervision of construction and R.C.C. details checking of Central Library Building.
 - Knowledge & Experience of Non-destructive Testing (**NDT**)Methods
 - Served as Member of institute level 'Write-Off Committee'for six years.
 - Worked as in charge Theory of Structures, Strength of Material Lab, Structural Dynamics Lab.
 - Developed **new lab "Structural Dynamics"** for UG &PG.
 - **Core committee member** for framing the ordinances, rules and regulations for UG and PG programs under Autonomy.
 - Held Charge of **Head Applied Mechanics Department** and **Head Curriculum Cell**.
 - Worked as Member of Departmental Faculty Board (**DFB**)
 - Worked as Member Secretary **APEC** (Academic Program Evaluation Committee) (2007-2013).
 - Worked as Chairman **APEC** (Academic Program Evaluation Committee) (2013-2016).
 - Worked as Member Secretary 'Academic Board' (**Senate**) (2007-2013).
 - Working as Member 'Academic Board' (**Senate**) (2006-2007 and 2013- 2021)
 - Member of '**Board of Management**' of the institute (2011-13and 13-15)
 - Worked as Member '**Examination Committee**, (2013-16)
 - Worked as Member '**Finance Committee**'(2016-2019)
 - Introduced **a new course** 'Theory of Elasticity and Plasticity' for M. Tech. (Structural Engg.) from Year 2006-07
 - Delivered **Expert Lectures** at other Institutes(Govt. Poly., Amravati, P D Poly, Amravati, Vidya Pratishthans College of Engg., Baramati, Irrigation Department, PWD, JSPM's Dr. N.P Hirani Institute of Poly, Pusad, etc.)
 - Recognised Supervisor for Ph. D in SGB Amravati University Amravati. A Candidate is registered for Ph.D.

➤ **University Topper at M. Tech. Structural Engineering**

■ **Ph D Thesis Guided**

Ph D candidate (status- In progress)

1. Mr. Ashish Ugle (part-time)

■ **P. G. Dissertations**

Year	Title	Name
2006	Comparison of Earthquake Resistant Design for Water Tanks on Shaft: IS 1893-1984 and Draft code IS 1893-2002'	Ms. Trupti Nag
2006	Seismic Analysis of Frames in-filled with Siporex (Autoclaved Aerated Concrete Blocks) and its comparison with conventional in-fills	Ms Pallavi Ramesh Rao Thele
2006	Optimization of cost of cable stayed bridges with different cable configurations	Ms Santosh J Chaudhari
2009	Mitigation of Seismic Response of reinforced concrete buildings using coupled building control	Mr Ravindra M Khobragade
2009	Dynamic Analysis of RCC Chimneys with and without opening	Ms Kavita Ganorkar
2009	Linear transient dynamic analysis of plates with and without cut out	Mr Chittaranjan Nayak
2010	Effect of pounding on elastic and inelastic 15 multi-storey adjacent R.C Building under earthquake excitations	Mr Amol Digambar Rao Kale
2011	Seismic Response of Base Isolated Building having Asymmetry in Plan And Elevation	Mr. L R Wankhade
2012	Seismic behaviour of RC structures considering regular and irregular distribution of brick infill panels incorporating soil-structure interaction	Mr Ankesh K Singhaniya
2012	Optimization of Friction Damper for Seismic Response Control of RCC Frame Building	Mr. Sanket S. Sanghai
2012	Study of steel plate shear wall	Mr. Lokesh Bharsagade
2013	Mitigation of Seismic Response of multistoried RCC building using passive tuned mass damper	Mr. Bhushan Prakash Nirwan
2014	Mitigation response of RCC structure by implementing water Tank as Passive TMD	Ms. Rutuja Meshram
2015	Structural Health Monitoring using Piezo-electric Materials	Ms Bhagyashri Dilip Sangai
2015	Flaw Detection in Steel Structures using PZT Sensors	Ms Sneha B Nangnurwar
2015	Performance of beam column joint using non-conventional reinforcement technique under cyclic load	Mr Aniket Vilas Nemade
2016	Structural Health Monitoring Using Metal Connector Based Piezo-Impedance Transducer	Ms. Ashwini Rankhamb
2016	PZT Based Smart Aggregate For Unified Health Monitoring Of RC Structures	Ms. Shruti Gedam

2017	Defect Detection of Concrete Filled Steel Tubes with PZT Based EMI Techniques	Mr. SarveshChikte
2017	Structural Health Monitoring of Precast Concrete Structural Elements Using reusable PZT Patches	Mr. Rahul Jain
2018	Erosion, Corrosion and Erosion-Corrosion Identification and Assessment of a Steel Pipeline Using Electro-Mechanical impedance (EMI) Technique	Ms. Nidhi Jain
2018	Identification of Shear deficiency and Shear Strength Gain of RC beam Using EMI Technique	Mr. Akash Kodam
2019	Modified Dual Piezo Configurations for Structural Health Monitoring of RC Beam	Mr. Saurabh Bhoir
2019	Potential use of PZT Resonant Frequency shift Technique for estimation of concrete Beam Stiffness	Mr. Pranav Nimkar
2020	Identification of Verification in Structural Parameters by Inspection of Conductance Signature in EMI Technique	Ms. Anuja Achegave
2021	EMI Based Health Monitoring – Application to Retrofitted Beam-Column Joint	Mr Tejas Shelgaokar
2021	Health Monitoring of Retrofitted RCC Column Employing Simulated EMI Technique	Mr Prashant Singh

Dr S. N. Khante