

## CURRICULUM VITAE

**NAME: Dr Kshitija Kadam**

IIC President &  
Associate Professor,  
Applied Mechanics Department  
Govt. College of Engineering Nagpur  
[knkadam@gcoen.ac.in](mailto:knkadam@gcoen.ac.in)  
[kadamkshitija7@gmail.com](mailto:kadamkshitija7@gmail.com), 9326235484



### **EDUCATIONAL QUALIFICATION**

Sr. No	Degree	Date of Passing	University	Class/ Division	Field of Specialization
1	Ph.D.	18-8-2010	SGB Amravati University	Ph.D. awarded August 2010	Structural Engg
2	M.E.Civil-Struct. Engg	17-06-1995	Amravati University	First division & stood Merit-I	Structural Engg
3	B.E.Civil	31-10-1991	A.P.S. University	First division & stood Merit-II	Civil Engg

### **MAJOR PORTFOLIO**

- **Management Council Member**, Rashtrasant Tukdoji Maharaj Nagpur University since Jan 2024
- **Chairperson Board of Studies**, Civil Engg Board, Rashtrasant Tukdoji Maharaj Nagpur University since March 2023
- **Members Board of Studies** at Tulsiram Gayakwad College of Engg & Tech, Nagpur since Feb 2022
- **Members Board of Studies** at J D College of Engg & Management, Nagpur since Aug 2022
- **Member RAC committee at YCCE, Nagpur** since 20.2.2024
- **Dean (Research & Development)** Govt College of Engineering, Nagpur since June 2018 till Aug 2023
- **President, Institution Innovation Council** Govt College of Engineering, Nagpur since September 2018
- **IQAC coordinator** at Govt College of Engineering, Nagpur since 13.1.2022 till Sep 2023
- **CDC Member** at Govt College of Engineering, Nagpur since 13.1.2022
- Member of **Board of Governance**, Govt College of Engineering, Amravati since 2016 to Jun 2018
- **Controller of Examination**, Govt College of Engineering, Amravati since Feb 2017 to May 2018
- **Dean (R & D)** Govt College of Engineering, Amravati since 2016 to Feb 2017

- QIP Coordinator of Govt College of Engineering, Amravati since its inception in 2012 to 2016
- Coordinator, Post Graduation in Engineering and Research (P G E & R) at institute level since 2008to 2016
- Coordinator for PG and Research assistantship for TEQIP-II since start of programme to 2016
- Coordinator, M. Tech. Admission at institute level for admissions to eleven different M. Tech. Programs for one year
- ‘Gender Equity Representative’ from Govt. College of Engineering, Amravati in Canada India Industry Institute Linkage Project (CIILP) for 04 years
- Co coordinator, MODROBS project ‘Modernization of Structure lab’ worth Rs. 7 lakhs for Structures Lab for 2007-08.
- Coordinator, M. Tech. Structural Engg. at department level since 2006 to 2016

#### AWARDS

1. **Institution of Engineers (India)** has awarded ‘**The John C Gammon Prize**’ for one of my research paper entitled ‘Geometric Non-linear Analysis of General Thin Plates’ in 25<sup>th</sup> Indian Engineering Congress held at Kochi on 16-18 Dec 2010
2. **Best Poster** for a Paper in International Conference by **ASCE India Chapter, VIT Vellore**, 12-13 March 2015

#### BOOKS and BOOK CHAPTERS

1. Abhijeet Roy, Rohit Motwani, Aditya Jaiswal, Aishwarya Raipurkar, and Kshitija Kadam, ‘**Pre-Engineered Buildings—A Cost Saving Approach**’, Lecture Notes in Civil Engineering, Advances in Construction Materials and Sustainable Environment, Select Proceedings of ICCME 2020, ISSN 2366-2557 ISSN 2366-2565 (electronic) Lecture Notes in Civil Engineering ISBN 978-981-16-6556-1 ISBN 978-981-16-6557-8 (eBook) <https://doi.org/10.1007/978-981-16-6557-8> © Springer Nature Singapore Pte Ltd. 2022, Volume 196, pp-1019-1031
2. Book Chapter ‘**Fatigue Resistance of Recycled Steel Fibers (Discarded Vehicle Tyre Steel Fibers) Concrete Pavement**’, M V Mohod and K N Kadam, Advances in Structural Technologies, Lecture Notes in Civil Engineering 81, ©**Springer** Nature Singapore Pte Ltd. 2021,[https://doi.org/10.1007/978-981-15-5235-9\\_30](https://doi.org/10.1007/978-981-15-5235-9_30), pp407-428, Oct 2019
3. Book Chapter ‘**Punching Shear Distribution of Flat Slab with Opening Adjacent to Column**’, K. N. Kadam and Saurabh Ingole, Smart Technologies for Energy, Environment and Sustainable Development, Lecture Notes on Multidisciplinary Industrial Engineering, © **Springer** Nature Singapore Pte Ltd. 2019, ISBN978-981-13-6147-0, [https://doi.org/10.1007/978-981-13-6148-7\\_44](https://doi.org/10.1007/978-981-13-6148-7_44) , pp447-454, July 2019
4. ‘**Finite Element Analysis of Annual Sector Plate**’, Milind V. Mohod and Kshitija N. Kadam, Lambert Academic Publishing, Germany, Oct 2016, ISBN-13: 978-3659969270, ISBN-10: 3659969273

5. 'Finite Element Method in Structural Analysis', A. S. Meghre and Ms K. N. Kadam, Khanna Publishers, Delhi, 2014, ISBN NO.:81-7409-283-0

**PATENT: 7 Granted (with 2 international patents) & 1 published**

1. Granted- 'A high strength geopolymer concrete composition and a method to produce the high strength geopolymer concrete', Australian Patent number: 2021103690 granted on 11 August 2021
2. Granted- 'Study Table', Application No. 382527-001 Indian Patent granted on 24/5/2023
3. Granted- 'Multifunctional door and table', Indian Patent Design No. 389394-001 granted on 21/9/2023
4. Granted- 'Portable noise barrier ', Indian Patent Design No. 393386-001 granted on 25/9/2023
5. Granted- 'Interface layer concrete pavement slab and sub base (DLC) or subgrade', patent published on 13 July 2018 (Application No 201721001240), Granted on 29/02/2024
6. Granted- German Patent, A Novel Combination of Mineral Fertilizers, Potassium humate and DPJ for improvement of Vegetative Growth And quality of Turmeric Rhizome application no. 202023105484.6 filled on 20 Sep 2023, Granted on 02.10.2023
7. Granted – "BIKE STAND LOCKING DEVICE (SET)" Application No. 444601-001 Indian Patent granted on 17/1/2025
8. Published- 'A high strength geopolymer concrete composition and a method to produce the high strength geopolymer concrete', Indian Patent published on 30/12/2022, Application No 202121028510

**INTERNATIONAL Collaboration**

- Collaboration with the University of Edinburgh (UoE) to work on a significant research project studying the effects of extreme heatwaves on slum communities in Nagpur.
- Technical Visit at Nanyang Technical University (NTU) and National University of Singapore (NUS), Singapore

**REVIEWER for Research Papers in Journals and Conferences**

- Springer Nature Journal
- Journal of Institution of Engineers (India), Springer Journal
- International conference on 'Advances in Civil and Mechanical Engineering Systems' ACMES-2014 at Government College of Engineering, Amravati

**Ministry of Education's Innovation Cell & AICTE association:**

- Innovation Ambassador since July 2021
- Primary Evaluator for Toyathon 2021

**Ph. D. Guided:** 03 awarded + 1 registered (dates of award 15/5/2018, 5/2019, 08/10/21)

**RESEARCH PAPERS**

	International Journal	International conference	National conference	Total	Google search, Scopus
No. of Papers	42	35	22	<b>99</b>	Citation: 320 h-index:8 I index:7 Scopus =13

**TEACHING & PROFESSIONAL EXPERIENCE**

Sr. No	Post held	Organization	From	To
1	Associate Professor(CAS)	Govt. College of Engineering, Nagpur	31-05-2018	Till Date
2	Associate Professor(CAS)	Govt. College of Engineering, Amravati	05-09-2011	31-05-2018
3	Assistant Professor	Govt. College of Engineering, Amravati	01-09-1998 (29-11-2003)	05-09-2011
4	Lecturer	Govt. Polytechnic, Amravati	23-10-97	31-05-1998
5	Lecturer	V.R.C.E.Nagpur (Now VNIT Nagpur)	4-8-1995	30-04-1997
6	Structural Engineer	NitinKadam Associate, Amaravti	1-2-1992	31-08-1998

**RESEARCH ACTIVITIES: Recourse Person**

**Conferences Coordinated/ Advisory Committee/Session chair/ Judge/ Invited Guest at Conferences/ Seminars**

Sr. No	Name of Conference	Date	Responsibility
1.	Expert lecture – FDP at Somayya Polytechnic	28.01.2026	Invited Talk
2.	Expert Lecture _PWD & PMGSY – Interactive Session		Invited Talk
3.	Chief Guest & expert lecture in FDP at YCCE Nagpur	01Dec 2025	Chief Guest & expert lecture
4.	Chief Guest & expert lecture in FDP at KITS Ramtek	05.02.2024	Chief Guest & expert lecture FDP at

5.	Key note speaker at National Conference envicon-Innovations in Science, Engineering & Technology organized by College of Engineering and Technology, Akola	28.May 2022	Keynote Speaker
6.	Government College of Engineering Nagpur (Maharashtra, India) organizes ONLINE International Conference on Research & Innovative Perspectives in Engineering (ICRIPE-2021)	July 29-31, 2021	Publication Chair
7.	AICTE Training and Learning (ATAL) Academy sponsored Online Faculty Development Programme (FDP) On Recent Trends in Power Systems Operation and Control	July 12th – 16th, 2021	Advisory Committee Member
8.	Third International E-Conference on "Smart Technologies for Energy, Environment & Sustainable Development" (ICSTEESD-2020), at G H Raisoni College of Engineering, Nagpur	04-05 December 2020	Session Chair
9.	Third International E-Conference on "Smart Technologies for Energy, Environment & Sustainable Development" (ICSTEESD-2020), at G H Raisoni College of Engineering, Nagpur	04-05 December 2020	Advisory Committee Member
10.	Government College of Engineering Karad&Rajkiya Engineering College Azamgarh Jointly Organized Fourth International Conference on “Advances in Civil and Structural Engineering (ICACSE – 2020)” under Technical Education Quality Improvement Program - III	28th May to 30th May 2020	Session Chair
11.	“Solid Mechanics” under AICTE approved PRERANA Scheme, TulsiramGayakwad-Patil College of Engineering Technology, Nagpur	01/10/20 & 08/10/20	Invited Talk
12.	Expert Lecture on ‘Overview of Finite element Method’ in FDP on “Finite Element Applications in Engineering” organized at Government College of Engineering, Jalgaon, 24-28 Feb 2020	24 Feb 2020	Invited Talk
13.	Expert Lecture on ‘Two dimensional elements’ in FDP on “Finite Element Applications in Engineering” organized at Government College of Engineering, Jalgaon, 24-28 Feb 2020	24 Feb 2020	Invited Talk
14.	International Conference on “Advances in Civil and Structural Engineering” ICACSE-2020, Department of Civil Engineering, Government College of Engineering, Karad, Maharashtra	24 <sup>th</sup> -25 <sup>th</sup> April 2020	Technical Committee member
15.	International conference on ‘Recent Advancements in Civil Engineering and Infrastructural Development IC-RACEID 2019, at G H Raisoni College of Engineering, Nagpur	05 & 06 July 2019	Session Chair

16.	Expert Lecture on 'Basics of Finite element Methods' in STTPsponsored by TEQIP II 'Modelling issues of soil-structure interaction problem'	08-12 July 2019	Invited Talk
17.	National Conference on 'Sustainable Infrastructure Development and Management' organized by VNIT Nagpur, NEERI Nagpur, IWWA Nagpur, ICI, ACC, NIT Agartala, GCoEN	22-23 Feb 2019	Joint Organizing Secretary
18.	International Conference on 'Advances in Civil and Mechanical Engineering Systems' ACMES-2014 at Government College of Engineering, Amravati	23-24 December 2014	Organizing Secretary
19	National Conference onAdvances in Structural Engineering(NCASE- 2016) sponsored by TEQIP Phase-II Department of Applied Mechanics, GCEA Karad	27-28 February 2016	Technical Committee member
20	International Conference on Sustainable Energy and Build Environment, ACSE India Chapter, VIT Vellore	12-13 March 2015	Session Chair
21	National Conference on Recent Applications of Mathematical Tools in Science and Technology (RAMT-2014), Govt College of Engineering Amravati	08-09 March 2014	Invited Talk
22	National Conference on Recent Applications of Mathematical Tools in Science and Technology (RAMT-2014), Govt College of Engineering Amravati	08-09 March 2014	Organizing Committee member
23	National level Technical Event for Movie making competition, Contraption and Model Exhibition at PR Pote College of Engineering, Amravati	2012-13, 2011-12, 2010-11	Judge at National level Technical Event

#### **COORDINATOR FOR SHORT TERM TRAINING PROGRAM**

1. Organised one day workshop on 'Entrepreneurship and innovation as career opportunity' held on 17 Sep 2019 organized as calendar activity ay Institute's Innovation council, Govt College of Engineering Nagpur
2. Co-coordinator for three day 'Hands on training on FEAST software' realized VSSC/ISRO Govt College of Engineering Nagpur 22to 24 Jan 2020
3. Coordinator for PWD supported 'Foundation training program' for newly appointed Jr Engineers in PWD at Govt College of Engineering Nagpur for two batches 01.07.2019 to 05.07.2019 and 08.07.19 to 12.07.2019.
4. Coordinator for MNRE (Ministry of New and Renewable Energy) sponsored training Program 'Rooftop Solar Grid Engineer course" at Govt College of Engineering Nagpur for two batches 21.01.19 to 31.01.2019 and 15.03.2019 to 26.03.2019
5. Coordinator for ISTE approved Short Term Training Program under TEQIP on 'Seismology & Earthquake Engineering', 04/12/2006 to 08/12/2006

6. Coordinator for DTE sponsored one week Building an ecosystem of Innovation and startup conducted during Feb 1-5, 2022 at Govt College of Engineering Nagpur

**EXPERT LECTURES DELIVERED: Resource Person**

1. Expert talk in One week FDP ‘Digital Transformation in Teaching and Learning’ on 28.01.26 at Somayya Polytechnic, Chandrapur
2. Chief Guest and Expert Talk at one week FDP on ‘Advancements in Sustainable Technologies and smart materials in Civil Engineering at YCCE, Nagpur on 01 Dec 2025
3. PWD
4. Chief Guest and Expert Talk at one week FDP on ‘KITS Ramket
5. Ministry of Education (MoE) Regional meet of IIC ‘presentation on the journey of your Institute's Innovation Council program and its impacts on your at G H Raisoni College of Engineering – Nagpur institute’ on 29th July 2022
6. FEM at Govt College of Engineering Karad 25 -27 July 2022
7. Expert talk on ‘IIC activities’ at Dr Daulatrao Aher College of Engineering, Karad 27 July 2022
8. Expert talk in e-Convention SHODH on “Importance of Structure In Today’s Life with title Structures around you!” at S.B.Jain Institute of Technology, Management and Research, Nagpur on 16th June 2021
9. Expert talk on ‘Flexibility Method in Structural Analysis-I’ at G H Raisoni Institute of Engineering & Technology, Nagpur on 18.5.21
10. Expert talk in Webinar Series in Advances in Civil Engineering organized by P.R. Pote college of Engineering & Management, Amravati on 26.05.2020
11. Expert talk in ‘Two days Refresher Course on Theories of Beams and Plates’ organized by G H Raisoni College of Engineering and Management, Pune on 02.5.2020
12. Expert Lecture on ‘Overview of Finite element Method’ in FDP on “Finite Element Applications in Engineering” organized at Government College of Engineering, Jalgaon, 24-28 Feb 2020
13. Expert Lecture on ‘Two dimensional elements’ in FDP on “Finite Element Applications in Engineering” organized at Government College of Engineering, Jalgaon, 24-28 Feb 2020
14. Expert Lecture on ‘Structural Behaviour’ at Wainganga College of Engineering and Management, Nagpur on 31 Jan 2020
15. Expert Lectures in AICTE QIP Faculty Development Program on ‘Advances in Structural Engineering: Recent Trends’, Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded(MS), 1-5 Oct 2019.
16. Expert Lecture on ‘Structural Behavior and Matrix Methods, J D College of Engineering & Management, Nagpur, Department of Civil Engineering, July 17, 2019
17. Expert Lecture on Basics of Finite element Methods in STTP sponsored by TEQIP II “Modeling issues of soil-structure interaction problem” at VNIT Nagpur, 08<sup>th</sup> – 12<sup>th</sup> July 2019

18. Expert Lecture on 'Finite Element Method, on occasion of "International Women's Day", 8th March 2019 Department of Civil Engineering, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (M.S.), India 445 001
19. Expert Lecture on Finite element Methods at Prof Ram Meghe Institute of Technology Badneraon 24.Aug.2018
20. Expert Lecture in one week AICTE-ISTE approved STTP on 'Innovative Teaching & Research Methods' at Govt College of Engineering, Amravati 03.04.2018 to 07.04.2018
21. Guest Lecture at VidyaPratishthan's College of Engineering, Baramati on 'Finite Element Method' organized by Civil Engg Dept., on 31 March & 01 April 2016.
22. Two day Guest Lecture on 'Finite Element Method' organized by Govt College of Engineering, Karad in 2016
23. Expert Lecture on "Analysis of 2D and 3D structures by FEM' in two day w/s at P. R. PotePatil Education And Welfare Trust's, Group of Intuitions, College of Engineering and Management, Amravati on 01 Jan 2016.
24. Expert Lecture on 'Finite Element method' in Three Days Short Term Training Programme on 'Application of Mathematic Tools' organized by Mathematics Department of Govt College of Engineering, Amravati sponsored by TEQIP II, 28<sup>th</sup> to 30<sup>th</sup> September 2015
25. Expert Lecture delivered in STTP at G. H. Raisoni College of Engineering & Management, Pune on 'Finite Element Method and its Practical Applications' organized by Dept of Civil Engg GHRCEM, Pune on 28 & 29 April 2015.
26. Expert Lecture delivered at VidyaPratishthan's College of Engineering, Baramati on 'Finite Element Method and its Applications' organized by Civil Engg Dept., on 30 & 31 March 2014.
27. Expert Lecture delivered at VidyaPratishthan's College of Engineering, Baramati on 'Finite Element Method and its Applications' organized by Civil Engg Dept., in March 2013.
28. Expert Lecture delivered at one week ISTE approved STTP on 'Finite Element Method and its Applications' organized by Civil Engg Dept., BabasahebNaik College of Engineering, Pusad, 6<sup>th</sup>Sept 2012.
29. Expert Lecture delivered at two week STTP on 'Computer aided Modeling and Finite Element Analysis' organized by Dept. of Mechanical, P.R.M.I.T., Badnera Amravati, 6-18 Dec 2010.
30. 'Analysis of Multistoried Frames by Stiffness Method' in Training Program at P.W.D. by Engineering Staff College, Nasik (13-9-2000)
31. 'Analysis of Multistoried Frames by Stiffness Method' in Training Program at Irrigation Dept by Engineering Staff College, Nasik (05-7-99 to 09-7-99)
32. 'AutoCAD 14 in Civil Engineering' in STTP by Govt. Polytechnic, Amravati (Apr 1999)

**PAY BACK TO SOCIETY: Resource Person**

1. Chief guest in Graduation Day at School of Scholar, Amravati on 7<sup>th</sup> April 2017

2. Chief guest in function by Sali Samaj Karyakari Mahila Mandal, Amravati 29.01.2017
3. Chief expert in 'open discussion with eminent women in various professions in women fest' at Matoshri Vimlabai Deshmukh College, Amravati for 21.12.2016
4. 'Goal setting and Decision Making', at Z. P. Girls High School, Amravati (22-12-06)
5. 'Personality Development Workshop' at Govt. College of Engineering, Aurangabad (16-17-10-2004)
6. 'Goal setting, Time Management and Decision Making', at Vimlabai Deshmukh College, Amravati (26-3-03)
7. 'Goal setting, Time Management and Decision Making', at Z. P. Girls High School, Amravati (26-3-03)
8. 'Decision Making' in a program for women from society by Jijau Brigade (01-02-2003)

#### **REVIEWER for Research Papers in Journals and Conferences**

- Springer Nature Journal
- Journal of Institution of Engineers (India), Springer Journal
- International conference on 'Advances in Civil and Mechanical Engineering Systems' ACMES-2014 at Government College of Engineering, Amravati

#### **RESEARCH ACTIVITIES**

- ✓ Ph.D. supervisor in Faculty of Civil Engineering, Sant Gadge Baba Amravati University
- ✓ Guided 18 M. Tech. Dissertations and Ph. D.- 03 (awarded)

#### **IRG GENERATED by Consultancy & Testing Services**

- Third party Audit of Roads, Buildings
- Structural stability certification of Buildings
- Checking of structural designs of Water treatment plants, pump houses & E.S.Rs
- Testing of building material for engineering properties

#### Major clients:

WAPCOS, Shapoorji & Palloniji, PWD, Ministry of Urban, NEERI, Uttar Pradesh JalNigam, Zilla Parishad, MIDC, Maharashtra Jeevan Pradhikaran .....ranging from Maharashtra, Madhya Pradesh, Chattisgarh, Jammu

#### **CURRICULUM DEVELOPMENT**

##### PG level

- ✓ Curriculum of Finite Element Method (Theory and Practical)
- ✓ Curriculum of Computer Methods for Structural analysis (Theory and Practical)

##### UG level

- ✓ Curriculum of Matrix Analysis of Structures (Theory and Practical) for final year
- ✓ Curriculum of Finite Element Method (Theory and Practical) for final year

- ✓ Curriculum of Engineering Mechanics (Theory and Practical) for first year
- ✓ Curriculum of Computer applications in Civil Engg. (Theory and Practical) for third year

#### **STTPs ATTENDED**

1. ISTE approved 'Computer Applications' at GCOE Amravati, from 2-11-98 to 14-11-98
2. 2 week AICTE-ISTE STTP on 'Seismic Analysis of Structures', at VRCE, Nagpur from 27-11-2001 to 7-12-2001
3. 2 week AICTE-ISTE STTP on 'Finite element analysis of structures', at VNIT, Nagpur from 21-10-2002 to 31-10-2002
4. AICTE-ISTE STTP on 'knowledge management in engineering college libraries in digital environment' at GCOE Amravati, from 13-12-2004 to 25-12-2004.
5. ISTE STTP on 'Energy and environment: management in new millennium' at GCOE Amravati from 5-12-2005 to 16-12-2005.
6. Two weeks ISTE approved STTP on 'Energy conservation and sustainable development' at GCOE Amravati from 21-6-2010 to 02-7-2010.
7. One week TEQIP-II sponsored STTP on 'Energy conservation opportunities in small and medium scale industries', GCOE Amravati from 23-4-2012 to 28-4-2012.
8. One week TEQIP-II sponsored STTP on 'Applications of Optimisation in Engineering' at GCOE Amravati from 15-5-2012 to 19-5-2012.
9. One week TEQIP-II sponsored STTP on 'Advanced Environment Protection Technologies' at GCOE Amravati from 04-6-2012 to 08-6-2012.
10. One week TEQIP-II sponsored STTP on 'e-Learning Tools and Technologies in PG Education' at GCOE Amravati from 29-10-2012 to 02-11-2012.
11. One week STTP on 'Finite Element Method, Constitutive Modeling and Applications' at IIT Ganghi Nagar from 28-01-2013 to 01-02-2013.
12. One week ISTE-SRM STTP on 'Advanced Environment Protection Technologies in Industries' at GCOE Amravati from 18-3-2013 to 23-3-2013.
13. One week TEQIP-II sponsored STTP on 'Matlab' at Govt College of Engineering Amravati from 06-05-2013 to 10-05-2013.
14. AICTE approved two week STTP on 'Recent trends in Artificial Intelligence' at Pridarshani Institute of Engineering & Technology, Nagpur from 27-05-2013 to 08-06-2013.
15. One week TEQIP-II sponsored STTP on 'Teaching Methods in Engineering Programmes' organized by IIT Bombay & GCOE Amravati from 12-11-2013 to 16-11-2013.
16. ISTE & IETE approved two week STTP on 'Recent trends and applications in signal processing' at Jawaharlal Darda Institute of Engineering & Technology, Yeotmal from 26-11-2013 to 06-12-2013.

17. One week TEQIP-II sponsored STTP on 'Microsoft SAKSHAM training Program' organized by GCOE Amravati & Microsoft from 23.06.2014 to 28.06.2014.
18. AICTE recognized two week STTP on 'Workshop on e-content development for civil & mechanical' at National Institute of Technical Teachers' Training and Research, Bhopal from 16/02/2015 to 27/02/2015
19. Two week ISTE STTP on 'Environmental Studies' conducted by IIT Bombay under National Mission on Education through ICT (MHRD) at remote centre PRMIT&R, Badnera from 02<sup>nd</sup> to 12<sup>th</sup> June 2015
20. TEQIP-II sponsored ISTE approved two weeks Faculty development program (FDP) on 'Advancements in Energy Efficiency and Productivity Improvements Techniques in Industries and Services', Govt College of Engineering Amravati from 22-06-2015 to 03-07-2015
21. TEQIP-II sponsored one week Short Term Training Program on 'Classical and Modern optimization Techniques', Electrical Engineering Department, Govt College of Engineering Amravati from 21-09-2015 to 25-09-2015
22. One week Continuing Education Programme on 'Open Source Tools Hands-on Course on Arduino MicroController, PLC and Sandhi, a LabVIEW alternative' organized by IIT Bombay & GCOE Amravati under TEQIP-II from 26-11-2015 to 30-11-2015
23. One week 'TEQIP-II Management Capacity Enhancement Programme' conducted by Indian Institute of Management Tiruchirappalli from 25<sup>th</sup> to 29<sup>th</sup> July, 2016
24. TEQIP-II sponsored ISTE approved one weeks Faculty development program (FDP) on 'Advancements in Industrial Pollution Control Techniques', Govt College of Engineering Amravati from 22<sup>th</sup> to 26<sup>th</sup> Aug 2016
25. TEQIP-II sponsored two days workshop on 'Structural Audit: Concept, Scope & Procedures', Department of Applied Mechanics and Civil Engineering, Govt College of Engineering Amravati from 9<sup>th</sup> to 10<sup>th</sup> Aug 2016
26. One week training on 'Team Building, Conflict & Change Management' organized by National Productivity Council, Jaipur at Udaipur from 17 to 21 Oct 2016
27. One week Training programme on 'Wind Effects on Structures' organised by Department of Applied Mechanics, VNIT, Nagpur, 29<sup>th</sup> October 2018 to 2<sup>nd</sup> November 2018
28. Directorate of Technical Education sponsored One week STTP on 'Innovation Practices in Industry to meet Recent Global Challenges' at Govt College of Engineering Nagpur from 25<sup>th</sup> Feb 2019 to 01 March 2019.
29. TEQIP-II sponsored one weeks Faculty development program (FDP) on 'Structural health Monitoring and Auditing', Govt College of Engineering Jalgaon, VNIT Nagpur and Govt College of Engineering Nagpur from 24<sup>th</sup> to 28<sup>th</sup> June 2019
30. Government College of Engineering Karad & Rajkiya Engineering College Azamgarh Jointly Organized One Week Online Faculty Development Program on

“MATLAB APPLICATIONS IN ENGINEERING AND SCIENCE” (27th April 2020 to 01st May 2020) under Technical Education Quality Improvement Program - III

31. AICTE approved one-week STTP on "Behavioural Practices for Maximum Personal Productivity" (BPMPP-2020) which is scheduled from 17 August - 22 August 2020, Organized by Government Polytechnic, Nagpur.
32. AICTE-ISTE sponsored FDP on Advances in Renewable Energy, Govt College of Engineering Nagpur, 14 to 19 Dec 2020
33. AICTE FDP on Modern behavioral practices for Maximum Personal Productivity organized by Govt Polytechnic, Nagpur 11 Jan to 16 Jan 2021.
34. DST sponsored FDP on Entrepreneurship & Innovation organized by SCEI & Symbiosis on 26 Feb to 11 March 2021
35. AICTE 5 day online FDP on inculcating Universal Human Values in Technical Education 15 Nov to 19 Nov 2021
36. Yashda training on Change Management and Capacity Building for e Governance (Online) 22/12/2021 24/12/2021
37. Two day “National Level Workshop on NIRF INDIA RANKINGS - 2022 For Higher Educational Institutions” organised by Institute for Academic Excellence in collaboration with Collegiate Education & Technical Education Department, Govt. of Telangana held on 5th & 6th January, 2022

#### **NPTEL Courses**

1. Eight week NPTEL-AICTE Faculty Development course, Basics of Finite Element Analysis-1, (Jul-Aug 21, Exam 26 Sep 2021)
2. Four week NPTEL-AICTE Faculty Development course, Body Language : Key to Professional Success, (Jul-Aug 21, Exam 26 Sep 2021)
3. Eight week NPTEL-AICTE Faculty Development course, Design, Technology and Innovation (Jul-Sep 2024)

#### **CONFERENCES ATTENDED**

- International Conference on Construction Material and Environment ICCME2021 at Jaypee University of Information Technology, Wanknaghat, Solan, H.P and Indian Geotechnical Society (IGS) on June 3-4, 2021.
- NAFED FEAST organized by VSSC, ISRO on 09.12.2019 at DEA convention centre Mumbai
- National Conference on ‘Sustainable Infrastructure Development and Management’ organized by VNIT Nagpur, NEERI Nagpur, IWWA Nagpur, ICI, ACC, NIT Agartala, GCoEN, 22-23Feb 2019
- Participant at 3<sup>rd</sup> International Conference on Recent Advances in Material Chemistry (ICRAMC-2019), SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, 13-15Feb 2019
- Participant at International Civil Engineering Symposium (ICES’17), ACSE India Chapter, VIT Vellore, 16-19 March 2017
- Participant at International Conference on Sustainable Energy and Build Environment, ACSE India Chapter, VIT Vellore, 12-13 March 2015

- Participated in National Conference on Recent Applications of Mathematical Tools in Science and Technology (RAMT-2014), Govt College of Engineering Amravati, 8-9 March 2014
- Participated of International conference on ‘Advances in Civil and Mechanical Engineering Systems’ ACMES-2014 at Government College of Engineering, Amravati, December 23-24, 2014
- Participated in International Conference on Sunrise Technology at SSVPS College of Engineering (ICOST-11), Dhule, January 13-15, 2011.
- Participated in International Conference on Innovative World of Structural Engineering at Govt. College of Engineering, Aurangabad, Dec 25-27, 2010
- Participated in National Conference on ‘Recent Advances in Structural Engineering’ held at Jawaharlal Nehru Technical University, College of Engineering, Kakinada(A.P), 11-12 Feb 2006
- Participated in National Seminar on ‘Alluvial Soil at Purna River Basin’, held at Govt. College of Engineering, Amravati & was in management committee
- Participated in Third International Conference on ‘Environmental Planning & Management’, held at V.R.C.E., Nagpur & was in management committee

#### **OTHER COURSES ATTENDED**

1. Course on ‘Computer aided design and drafting’ at VRCE from 25-5-1992 to 20-6-1992
2. Course on ‘Introduction to internet’, by ASSET International from 1-1-1999 to 14-1-1999
3. Special course on ‘Computational Nonlinear Mechanics’ by University of Roorkee from 3-1-1996 to 5-1-1996
4. ‘Workshop on life skills’ at CIILP Pune from 19-11-2001 to 23-11-2001
5. ‘Training in Management, Entrepreneurial and competency based programming skills’ at CIILP Pune from 10-11-2003 to 15-11-2003
6. ‘Workshop on annual work plan and review of strategic plan 2003-04’ at GCOE Amravati, under CIILP
7. Workshop on ‘Restructuring of Curriculum in Civil Engineering’ at GCOE Amravati, under TEQIP- I, 3-9-2005
8. Workshop on ‘Creativity and Innovation for Survival and Growth and Patenting in India and Abroad’ engineering’ at GCOE Amravati, under TEQIP-I, from 17-10-2005 to 21-10-2005
9. TEQIP-I sponsored Expert Lecture on ‘Bridging gap between Engineering Mechanics and Structural Dynamics’ at GCOE Amravati 24-10-2005
10. Program ‘Improving personal effectiveness and excellence program (I-peep)’ at GCOE Amravati, by ETMA, from 22-5-2006 to 26-5-2006
11. Training on ‘Pedagogical training in Engineering Education’ at Govt. Polytechnic, Amravati, by Directorate of Technical Education Maharashtra State 16-03-2009 to 18-3-2009

12. Two days w/s on ‘Outcome Based Education’, Dept of Electrical Engineering Department, Govt College of Engineering, Amravati May 6-7, 2015.

## **RESEARCH PAPERS PUBLISHED**

### **International Journals**

1. Sarang P. Mahajan, Dr. Kshitija Kadam, ‘Review On Use Of Pond Ash As Partial Replacement Of Cement In Concrete’ IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 21, Issue 3 Ser. 2 (May. – June. 2024), PP 57-60 [www.iosrjournals.org](http://www.iosrjournals.org) DOI: 10.9790/1684-2103025760 [www.iosrjournals.org](http://www.iosrjournals.org)
2. Sarang P. Mahajan, Dr. Kshitija Kadam, ‘Use of Pond Ash as Partial Replacement of Fine Aggregate in Concrete – A Review’ Journal of Engineering and Technology Management 73 (2024)
3. B H Shinde, B S Nawale, K Kadam, ‘Relationship Between Flexural and Compressive Strength of Fly Ash Based Geopolymer Concrete with Ambient Curing’, Indian Concrete Journal ICJ, March 2023, 97(3), pp. 26–34
4. Dr. B. H. Shinde, Dr. K.N. Kadam, B. S. Nawale, ‘Concrete Influence of Addition of OPC and Lime on Properties of Geopolymer Concrete’, Design Engineering, 10376-10384. Vol 2021, Issue 9,  
<http://thedesigengineering.com/index.php/DE/article/view/8151>
5. P.B. Daigavane , A. Ansari, K.M. Tajne and K.N. Kadam, ‘Rehabilitation and Construction of Railroad Track: A Challenge for Railway Engineers’, Vidyabharati International Interdisciplinary Research Journal (Special Issue) ISSN 2319-4979, Online International Conference on Research & Innovation Perspectives in Engineering-29 July 2021, pp 85-88  
[https://www.researchgate.net/publication/355826502\\_Rehabilitation\\_and\\_Construction\\_of\\_Railroad\\_Track\\_A\\_Challenge\\_for\\_Railway\\_Engineers](https://www.researchgate.net/publication/355826502_Rehabilitation_and_Construction_of_Railroad_Track_A_Challenge_for_Railway_Engineers)
6. Dr Kshitija Kadam, Jahnvi Sontakke, Shubhangi Surkar, Samruddhi Gaurkhede, Sanket Kulkarni, Abhijit Patil, ‘Optimum design of Pumping mains’, International Research Journal of Engineering and Technology (IRJET), Vol 8, Issue 5, May 2021, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Impact factor: 7.529  
<https://www.irjet.net/archives/V8/i5/IRJET-V8I5558.pdf>
7. Dr B H Shinde and Dr K N Kadam, ‘Shear Strength of Crushed Sand Self Compacting Concrete, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 8, Issue 12, December 2019  
<file:///C:/Users/TEMP.DESKTOP-GE8VT2M.025/Downloads/shear-strength-of-crushed-sand-self-compacting-concrete-IJERTV8IS120230.pdf>
8. K. N. Kadam and Saurabh Ingole ‘Punching Shear Distribution of Flat Slab with Opening Adjacent to Column’, Smart Technologies for Energy, Environment and Sustainable development, Lecture Notes on Multidisciplinary Industrial Engineering, Springer Nature Singapore Pvt Ltd 2019, pp 447-454
9. Mrs Archana Mahajan and Dr Ms. Kshitija N. Kadam, ‘Convergence study for finite element analysis on bone used for dental implant’, International Journal on recent and innovation trends in Computing and Communications, ISSN:2321-8169, Vol 1, issue 1, 131-135, Scientific Journal Impact Factor: 5.837, Jan 2016.

[https://ijritcc.org/download/conferences/ICRRTET\\_2016/ICRRTET\\_Track/1454483235\\_03-02-2016.pdf](https://ijritcc.org/download/conferences/ICRRTET_2016/ICRRTET_Track/1454483235_03-02-2016.pdf)

10. B. H. Shinde, Dr. K. N. Kadam, 'Effect of Addition of Ordinary Portland Cement on Geopolymer Concrete with Ambient Curing', International Journal of Modern Trends in Engineering And Science (IJMTER), e-ISSN No.:2349-9745, Date: 28-30 April, 2016, Impact factor 3.518, Volume 3, Issue 4, [April 2016] Special Issue of ICRTET'2016
11. Milind V Mohod, Dr K.N.Kadam, 'A Comparative Study on Rigid and Flexible Pavement A Review', IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e ISSN 2278 1684, p ISSN 2320 334X, Volume 13, Issue 3 Ver. VII (May-Jun. 2016), PP 84-88, [www.iosrjournals.org](http://www.iosrjournals.org)
12. Bhushan Shinde, Dr. Kshitija Kadam, 'Effect of Alkaline Activator on Compressive Strength of Geopolymer Concrete with Ambient Curing', International journal of innovative research in science, engineering and Technology Volume 5, special issue 1, January 2017
13. B. H. Shinde, Dr. K. N. Kadam, 'Strength Properties of Fly Ash Based Geopolymer Concrete with Sea Sand', American Journal of Engineering Research (AJER) e-ISSN: 2320-0847 p-ISSN : 2320-0936, 2016, Volume-5, Issue-7, pp-129-132 [www.ajer.org](http://www.ajer.org)
14. B. H. Shinde and K. N. Kadam, 'Properties of Fly Ash Based Geopolymer Mortar' International Journal of Engineering Research and Technology, ISSN: 2278-0181, Vol. 4 Issue 07, July 2015, Pg 971-974.
15. S. B. Wade and K. N. Kadam, Discrete size optimization of indeterminate truss using hyper work, Journal of Civil Engg and Environmental Technology, ISSN 2349-8404, vol 2(10), April-June 2015, pp 49-53.
16. Archana N Mahajan and Dr Ms K N Kadam, 'Study of factors affecting success rate of immediate implant loading', International Journal of Engineering Research and General Science, Vol 3, Issue 1, 2015 Edition, Impact factor 3.843
17. Archana Mahajan and Dr Kshitija N. Kadam, 'The Influence of Mechanical Loads on the Biomechanics of Dental Implant', International Journal of Science and Research ISSN: 2319-7064, Impact Factor: 3.358, Vol 3, Issue 11, Nov 2014, pp 1085-1090.
18. R. R. Chaudhari and Dr. K. N. Kadam, 'Effect of Piled Raft Design on High Rise Building Considering Soil Structure Interaction', International Journal of scientific & technology research, ISSN 2277-8616, Vol 2, Issue 6, 72-79, June 2013
19. K. N. Kadam and Nazim Khan, 'Buckling analysis of thin walled cylinders subjected to axially compressed load by Ansys', International Journal of Engineering Research & Technology (IJERT), Vol 2, Issue 12 (Dec 2013)
20. A. S. Meghre and K. N. Kadam, 'Finite element analysis of thick annular sector plates', Journal of Structural Engineering, Chennai, India, Vol 39, No 4, Oct Nov 2012, pp 237-242.

21. S. P. Tak and K. N. Kadam, '3D Finite Element Analysis of Partially Restrained Beam to column Connections in Steel Frames', International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 3 Issue: 2, pp 032– 036
22. V. D. Kapgate and K. N. Kadam, Response of Semi Rigid Connections on Frame Behaviour', International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 3 Issue: 2, pp 037– 040
23. Naresh D. Sonwane, K. N. Kadam, 'Topology Optimization of Truss', International Journal of Engineering Research, ISSN:2319-6890(online), 2347-5013(print), Volume No.5, Issue: Special 3, pp: 621-624, 27-28 Feb 2016, NCASE@2016, doi : 10.17950/ijer/v5i3/022 Page 621
24. K. N. Kadam, A. J. Limbage, 'Comparison of Member Forces in A-Type Truss Using IS875 and SP38', International Journal of Engineering Research, ISSN:2319-6890(online), 2347-5013(print), Volume No. 5, Issue: Special 3, pp: 644-647, 27-28 Feb. 2016, NCASE@2016, doi : 10.17950/ijer/v5i3/027 Page 644
25. Naresh D. Sonwane, Dr. K. N. Kadam, 'Topology and size optimization of truss', international Journal of Latest Trend in engineering and Technology (IJLTET), ISSN2278-621X, Vol 7, Issue 1, May 2016, pp 139-146
26. Dr K N Kadam et al., 'A Comparative Study on Rigid and Flexible Pavement: A Review', IOSR Journal of Mechanical and Civil Engineering, Vol 13, Issue 3, Ver. 7, May- June 2016
27. AnkushLimbage and KshitijaKadam, 'Analysis of Steel Roof A type Truss for Four Different Spans (Comparison of Design Presented in SP38 and IS875) International Journal of Latest Trends in Engineering and Technology (IJLTET) Vo. 6, Issue 4, March 2016
28. B. H. Shinde and Dr. K. N. Kadam, "Properties of Fly Ash Based Geopolymer Mortar with Ambient Curing", International journal of Engineering Research (IJER) Vol. 05, Sp. Issue 1, Jan.2016, PP 203-206.
29. B. H. Shinde and Dr. K. N. Kadam, "Strength Properties of Fly ash Based Geopolymer Concrete with Sea Sand" American Journal of Engineering Research (AJER), Vol. 05, Issue 07, (July 2016).
30. Milind V. Mohod& Dr. K.N.Kadam, "A Comparative Study on Rigid and Flexible Pavement: A Review" IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)", Volume 13, Issue 3, May-June 2016, pp 84-88.
31. BhushanShinde and DrKshitijaKadam, 'Effect of Alkaline activator on Compressive strength of Geopolymer concrete with ambient curing' International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET, vol 6, Special Issue 1, Jan 2017, Impact factor 6.209, [www.ijirset.com](http://www.ijirset.com)
32. Dr K. N. Kadam and Viquar Shaikh 'Behaviour of Flat slab a Study by Finite Element Analysis', IJIRSET, Volume 7, Issue 3, March 2018
33. Dr K. N. Kadam and SaurabhIngole 'Redistribution of Punching shear in Flat Slab Flat slab a Study by Finite Element Analysis', IJIRSET, Volume 7, Issue 3, March 2018

34. Dr. A. S. Meghre and Dr. (Ms) K. N. Kadam, 'Finite Strip Method for Higher Order Thick Rectangular Plates with Two Opposite Edges Simply Supported', Journal of the Institution of Engineers (India), (Status - send to Editor)
35. A. S. Meghre and K. N. Kadam, 'Non-linear analysis of thin circular plates subjected to axisymmetric loads', Journal of the Structural Engineering, Chennai, India. Vol 37, No 6, Feb-Mar 2011
36. Dr K. N. Kadam and M. V. Mohod, 'Elastic Large Deflection Response of Annular Sector Plate', International Journal of Research in Engineering Sciences & Technology (InJoREST) I issue, July 2011.
37. A. S. Meghre and K. N. Kadam, 'Higher Order Thick Circular Plates Subjected to Distributed Loads', Journal of the Institution of Engineers (India), Vol. 90, Feb 2010
38. K. N. Kadam and A. S. Meghre, 'Geometric Non-linear Analysis of General Thin Plates', Journal of the Institution of Engineers (India), Vol. 90, Aug 2009
39. (Ms) K. N. Kadam and A. S. Meghre, 'Analysis of general plates using curved quadrilateral FEM-cum-FDEM thin plate element', Journal of Structural Engineering, Chennai, India, Vol 35, No 6, Feb-Mar 2009, pp 411-415
40. A. S. Meghre and K. N. Kadam, 'A Curved Quadrilateral Kirchhoff Plate Bending Element', Journal of the Institution of Engineers (India), Vol. 82, Nov 2001.
41. A. S. Meghre and K. N. Kadam, 'Geometric Nonlinear Analysis of Thin Rectangular Plate Using FEM cum FDEM', Journal of the Institution of Engineers (India), Vol. 2, Feb 1998.
42. A. S. Meghre and K. N. Kadam, 'Element based version of Spline Finite Strip Method for Plate Bending', Journal of the Institution of Engineers (India), Vol. 78, Nov 1997.

#### **International Conferences**

43. A. S. Meghre and K. N. Kadam, 'Axisymmetric Non-linear Bending of Mindlin Circular Plates', International Conference on Innovative World of Structural Engineering at Govt. College of Engineering, Aurangabad on Dec 25-27, 2010
44. A. S. Meghre and K. N. Kadam, 'Finite Element Non-linear Analysis of Thin Annular Sector Plates', International Conference on Innovative World of Structural Engineering at Govt. College of Engineering, Aurangabad on Dec 25-27, 2010
45. Dr K. N. Kadam and M. V. Mohod, 'Elastic Large Deflection Response of Annular Sector Plate', in International Conference on Sunrise Technology at SSVPS College of Engineering (ICOST-11), Dhule on January 13-15, 2011.
46. Dr K. N. Kadam and M. V. Mohod, 'Finite Element Non Linear Analysis of Annular Sector Plate' in International Conference on Civil, Structural and Environmental Engineering (ICSEE-11) at K.S.R. College of Engineering, Tiruchengode, Tamil Nadu on Feb.18 & 19, 2011.
47. K. N. Kadam, S. P. Lunge, 'Optimization of outrigger belt truss system for tall building', 2<sup>nd</sup> international conference on advancements in Engineering and Management, Royal Institute of Technology & Science, Hyderabad, 27-28 Feb 2013

48. S. R. Nagoshe, R. K. Rai and K. N. Kadam, 'Optimization of Sewerage Network by Dynamic Programming', International Conference on Recent Innovations in Science Engineering and Technology, Goa, 10<sup>th</sup> May 2014
49. Kshitija Kadam and Somnath Wade 'Optimization of Steel Truss Using Genetic Algorithm and FEA', International conference on 'Advances in Civil and Mechanical Engineering Systems' ACMES-2014 at Government College of Engineering, Amravati, December 23-24, 2014.
50. Kshitija Kadam and Varsha Kapgate, 'Study of Effects of Semi Rigid Connections on Frame Behaviour', International conference on 'Advances in Civil and Mechanical Engineering Systems' ACMES-2014 at Government College of Engineering, Amravati, December 23-24, 2014.
51. V. D. Kapgate and K. N. Kadam, 'Response of semirigid connections on frame Behaviour', 2<sup>nd</sup> International Conference on Advances in Engineering & Technology (ICATE-15), Anjuman College of Engineering & Technology, Sadar, Nagpur, February 25-26, 2015.
52. Shilpa Tak and K. N. Kadam, '3D finite element analysis of partially restrained beam to column connections in steel frames', 2<sup>nd</sup> International Conference on Advances in Engineering & Technology (ICATE-15), Anjuman College of Engineering & Technology, Sadar, Nagpur February 25-26, 2015.
53. Dr Ms K. N. Kadam and A. S. Meghre, 'Finite Strip for Higher Order Thick Annular Sector Plates with Simply Supported Radial Edges', International Conference on Sustainable Energy and Build Environment, ACSE India Chapter, VIT Vellore, 12-13 March 2015.
54. V. D. Kapgate, Dr K. N. Kadam and Dr R. K. Rai, 'Optimal design of Semi Rigid Jointed Frame', International Conference on Innovative Research in Mechanical, Electrical, electronics, Civil, Computer Science and Information Technology (MECIT-2015) Organised by KrishiSanskriti at Jawaharlal Nehru university, New Delhi, May 16-27, 2015.
55. S. B. Wade and Dr K. N. Kadam, 'Discrete Size Optimisation of Indeterminate Truss using Hyper Work', International Conference on Innovative Research in Mechanical, Electrical, electronics, Civil, Computer Science and Information Technology (MECIT-2015) Organised by KrishiSanskriti at Jawaharlal Nehru university, New Delhi, May 16-27, 2015.
56. Bhushan H. Shinde and Dr. K. N. Kadam, "Effect of Addition of Ordinary Portland Cement on Geopolymer Concrete with Ambient Curing." International Conference on Recent Trend in Engineering & Technology (ICRTET 2016), 28-30 April 2016, SNJB's KBJ COE Chandwad.
57. Prof M. V. Mohod, Dr. K.N.Kadam, 'Behaviour of Polypropylene Fibre Reinforced Concrete Pavement under Static Wheel Load' , ICCMS 16, IIT Bombay, Mumbai, India, June 27 to July 1, 2016 published in proceedings of " Sixth International Congress on Computational Mechanics and Simulation", 27 June-1 July 2016, IIT Bombay, Powai, Maharashtra, India.
58. Mahajan A. N. and Kadam K. N. 'Influence of Drilling Effect on Bone Stresses by Finite Element Analysis', ICCMS 16, IIT Bombay, Mumbai, India, June 27 to July 1, 2016

59. Shamal V. Jawarkar and Dr K N Kadam, 'Finite element analysis of reinforced concrete deep beams with opening', International Conference on Recent Trends in Engg and Science, Govt College of Engineering, Jalgaon, 20-21 Jan 2017
60. Sneha S. Wadhonkar and Dr K.N. Kadam, 'Buckling Analysis Of Laminated Composite Plate With Cut-Out' International Conference on Recent Trends in Engg and Science, Govt College of Engineering, Jalgaon, 20-21 Jan 2017
61. BhushanShinde and DrKshitijaKadam, 'Effect of Alkaline activator on Compressive strength of Geopolymer concrete with ambient curing' International Conference on Recent Trends in Engg and Science, Govt College of Engineering, Jalgaon, 20-21 Jan 2017
62. Milind V. Mohod and Dr. Kshitija N. Kadam 'Influence of Support Conditions, Position of Axle Loads and Axle Load Spectrum on Stresses and Deflection Developed in Rigid Pavement', 1<sup>st</sup> International and 18<sup>th</sup> ISME conference on Enabling Sustainable development in Mechanical Engineering at NIT Warangal, February 23-25, 2017
63. Bhushan H. Shinde and Dr. K. N. Kadam, "Effect of Alkaline Activator on Compressive Strength of Geopolymer Concrete with Ambient Curing" International Conference on Recent Trends in Engineering & Science (ICRTES 2017), 20-21 Jan.2017, Government College of Engineering Jalgaon.
64. Bhushan H. Shinde and Dr. K. N. Kadam, "Effect Of Concentration of NaOH Solution on Compressive Strength of Fly Ash Based Geopolymer Concrete with Ambient Curing" International Conference on Sustainable Energy and Built Environment , 16-19 March 2017, Vellore Institute of Technology (VIT) Vellore.
65. BhushanH. Shinde and Dr. K. N. Kadam, "Properties of Geopolymer concrete with OPC as a curing agent" International Conference on Advances in Construction Materials and Systems, (ICACMS 2017) 05 -07 Sept. 2017, Indian Institute of Technology (IIT) Madras.
66. Bhushan H. Shinde and Dr. K. N. Kadam, "Shear Strength of Fly ash based Geopolymer concrete with River Sand and Sea Sand", International Conference on Composite Materials and Structures, (ICCMS 2017) 27 -29 Dec. 2017, Indian Institute of Technology (IIT) Hyderabad.
67. M.V.Mohod and Dr K.N.Kadam, "Influence of Width and Spacing of Transverse Joint on Stresses and Deflections Developed in Concrete Pavement" International Conference on Composite Materials and Structures held during 27 December - 02 December, 2017 at IIT Hyderabad, Telengana, India.
68. M.V.Mohod and Dr K.N.Kadam,"Response of Concrete Pavement Casted over Varying Base/Subbase Thickness With Reference to Fatigue Performance (IRC 58-2015)" International Conference on Vibration Problems held during 29 November - 02 December, 2017 at IIT Guwahati, Assam, India
69. SaurabhIngole and K N Kadam, Punching Shear Distribution of Flat Slab with Opening Adjacent to Column' accepted at the ICSTEESD-18, in GH Raisonni College of Engineering, Nagpur, India, July 28-29, 2018
70. Bhushan H. Shinde and Dr. K. N. Kadam, "Shear Strength of Fly Ash Based Geopolymer Concrete"1<sup>st</sup> World Congress on Optimization and Automation

Techniques in Engineering and Management, WCOATEM-20, held on 19<sup>th</sup> , 20<sup>th</sup> , &21<sup>st</sup> October 2020, Recognizing a Best Research Paper.

71. Archana N Mahajan, DrMs K N Kadam, “Stress Investigation on Cement-Retained and Screw-Retained Implant Arrangements at Posterior Mandible,” 1<sup>st</sup> World Congress on Optimization and Automation Techniques in Engineering and Management, WCOATEM-20, held on 19<sup>th</sup> , 20<sup>th</sup> , &21<sup>st</sup> October 2020, Recognizing a Best Research Paper.
72. Bhushan H. Shinde and Dr. K. N. Kadam, ‘Influence of addition of OPC and Lime on properties of Geopolymer Concrete’, 1<sup>st</sup> World Congress on Optimization and Automation Techniques in Engineering and Management, WCOATEM-20, held on 19<sup>th</sup> , 20<sup>th</sup> , &21<sup>st</sup> October 2020
73. Kshitija Kadam, Abhijeet Roy, Rohit Motwani, Aditya Jaiswal and Aishwarya Raipurkar, ‘Pre-Engineered-Buildings- A Cost Saving Approach’, International Conference on Construction Material and Environment ICCME2021 at Jaypee University of Information Technology, Wagnaghat, Solan, H.P and Indian Geotechnical Society (IGS) on June 3-4, 2021.
74. Dr. Kshitija Kadam, Samruddhi Bodhekar, Sanika Manapure, Saniya Mandape, Krishna Rajgire, ‘Optimization in Article Design’, International Conference on Critical Infrastructure and sustainable Development, organized by KDK College of Engineering Nagpur, 23-24 March 2024
75. Dr. Kshitija Kadam, Sanika Peshane, Utkarsha Charpe, Parag Lanje, Ajinkya Ghadge, Khushal Hedao, Rainwater Harvesting via Pervious Concrete for Replenishment from Roof and Pavements, International Conference on Critical Infrastructure and sustainable Development, organized by KDK College of Engineering Nagpur, 23-24 March 2024
76. Dr. Kshitija Kadam, Anushree Kakde, Utkarsha Meshram, Tanisha Chapke, Vinay Donode, Study on improvement of mechanical properties of cement by microbially assisted cementation, International Conference On Innovation in Engineering, Science and Management (ICIISM- 2025), Wainganda College of Engineering and Management, Nagpur
77. Akshay Patil and Dr Kshitija Kadam, ‘The review: Predictive Analysis for Bridge Failure using Machine Learning, International Conference on Sustainable Materials and Infrastructure 2025, IIT Jammu, 16-18 Dec 2025

### **National Conferences**

78. K. N. Kadam and Ambadkar, ‘Study of Isoparametric FEM cum FDEM Element for Geometric Nonlinear analysis of Thin Plates’, National Conference on ‘Recent Advances in Structural Engineering’ 11-12 Feb 2006 at Jawaharlal Nehru Technical University, College of Engineering, Kakinada (A.P)
79. K. N. Kadam and A. Shinde, ‘Analysis of Thin Rectangular Unidirectional Stiffened Plate by Finite Element Method’, National Conference on ‘Recent Advances in Structural Engineering’ 11-12 Feb 2006 at Jawaharlal Nehru Technical University, College of Engineering, Kakinada (A.P)
80. K. N. Kadam and S. Shelare, ‘Analysis of Sector Plate using Finite Strip Method’, National Conference on ‘Recent Advances in Structural Engineering’ 9 March 2007 at Jawaharlal Nehru Technical University, College of Engineering, Anantpur (A.P)

81. K. N. Kadam and S. Shelare, 'Comparative Analysis of Sector Plate using Finite Element Method and Finite Strip Method', National Conference on 'Emerging Technology and Development in Civil Engineering', 22-23 March 2007 at Govt. College of Engineering, Amravati (M.S.)
82. K. N. Kadam and A. R. Akhare, 'Behaviour of Beam-to-CFT column connections', RASE-2008 National Conference on 'Recent Advances in Structural Engineering' 04 April 2008 at Jawaharlal Nehru Technical University, College of Engineering, Anantpur (A.P.)
83. K. N. Kadam and V. Sawale, 'Analysis of thin plates using spline finite strip method-an element based version', National Conference on 'Emerging Technology in Civil Engineering', 28-29 Feb 2008 at Padamshri V. V. Patil College of Engineering, Ahmednagar (M.S.)
84. K. N. Kadam and Lonpande, 'Finite element method for analysis of axisymmetric solids with axisymmetric loading', National Conference on 'Emerging Technology in Civil Engineering', 28-29 Feb 2008 at Padamshri V. V. Patil College of Engineering, Ahmednagar (M.S.)
85. Ms K.N. Kadam and Mr N.S. Zanjad, 'Static analysis of stiffened plate under transverse loading by finite element method', National Conference on Recent Development in Applied Mathematical Science and Engineering, 20-22 Feb, 2009, Jalpaiguri Govt. Engineering College, Jalpaiguri, West Bengal.
86. Ms K.N. Kadam and Mr. Rajan L. Wankhade, 'Analysis of skew rhombic plates finite element method', National Conference on Recent Development in Applied Mathematical Science and Engineering, 20-22 Feb, 2009, Jalpaiguri Govt. Engineering College, Jalpaiguri, West Bengal.
87. K. N. Kadam and Y. K. Fasate, 'Bulking analysis of perforated plates', National Conference on Recent trends and challenges in Civil Engineering, Kavikulguru Institute of Technology and Science, 18- 19 Dec 2009.
88. K. N. Kadam and S. R. Band, 'Linear static analysis of stiffened shells using finite element method', National conference on innovative trends for technology developments, Datta Meghe Institute of Engineering, Technology and Research TECHNOCON-2012, 06-07Jan 2012.
89. K. N. Kadam, S. P. Lunge, 'Behaviour of Outrigger Structural System for Tall Building', National Conference on Recent Advancements in Engineering (NCRAE 12) , 22<sup>nd</sup> and 23<sup>rd</sup> June2012, Sanjeevan Engineering and Technology Institute (SETI), Pabhala-416201
90. K. N. Kadam, Radhika Chaudhary, 'Effect of pile soil interaction on the behavior of multistoried building', 27-28 Dec 2012, National Conference on Emerging Technologies for Sustainable Development, Shivaji University, Kolhapur
91. Nazim S. Khan and K. N. Kadam, 'Plastic Buckling Analysis of Thin Walled Cylinders By Ansys', National Conference on Recent Applications of Mathematical Tools in Science and Technology (RAMT-2014), Govt College of Engineering Amravati, 8-9 March 2014.
92. K. N. Kadam, Krutika Gumble, 'Static analysis of sandwich plate', 22-23 Aug 2014, National Conference on Advances in Civil and Structural Engineering, Karad.

93. B. H. Shinde and K. N. Kadam, 'Properties of Fly Ash Based Geopolymer Mortar with Ambient Curing', National Conference on "Innovations in Civil Engineering" 08 & 09 Jan 2016, Government College of Engineering Karad. Proceeding- "International Journal of Engineering Research" ISSN 2319-6890.Vol. 5, Issue Special 1, pp. 203-206.
94. Milind V. Mohod, Dr. K. N. Kadam, 'A Review on Critical Stresses in Concrete Pavement', National conference on advances in Construction technology and management held at VNIT Nagpur, 19-20 Feb 2016
95. B. H. Shinde, Dr. K. N. Kadam, 'Properties of Fresh and Hardened Geopolymer Concrete with Lime and Ordinary Portland Cement', National conference on advances in Construction technology and management , 19-20 Feb 2016
96. Naresh D. Sonwane, K. N. Kadam, 'Topology Optimisation of Truss', National conference on Advances in Structural Engineering(NCASE- 2016) sponsored by TEQIP Phase-II Department of Applied Mechanics, GCEA Karad 27-28 February 2016 at Government College of Engineering, Karad
97. K. N. Kadam, A. J. Linbage, 'Comparison of Member Forces in A-Type Truss Using IS875 and SP38', National conference on Advances in Structural Engineering(NCASE- 2016) sponsored by TEQIP Phase-II Department of Applied Mechanics, GCEA Karad 27-28 February 2016
98. B. H. Shinde, and Dr. K. N. Kadam, Properties of Fly Ash Based Geopolymer Mortar with Ambient Curing, National Conference on Innovations in Civil Engineering (NCICE2016), 08<sup>th</sup>& 09<sup>th</sup> Jan 2016, at Government College of Engineering, Karad.
99. B. H. Shinde, and Dr. K. N. Kadam, Properties of Fresh and Hardened Geopolymer Concrete with Lime and Ordinary Portland Cement, National Conference on Advances in Construction Technology and management (ACTM-2016), 19<sup>th</sup>& 20<sup>th</sup> Feb 2016, Visvesvaraya National Institute of Technology (VNIT), Nagpur.

#### **MEMBERSHIP OF PROFESSIONAL BODIES**

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