



# AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय



Accredited by NAAC with "A+" Grade | NBA - 7 UG Programmes

## Department of Civil Engineering Faculty Profile

**Dr. Mrs. Kalyani N Kulkarni**

PhD in Civil Engineering, ME Civil (Construction & Management),  
BE (Civil)

✉ [knkulkarni@aiissmscoe.com](mailto:knkulkarni@aiissmscoe.com)

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### Research Areas / Areas of Interest

Project Management, Construction Management, Optimization Techniques, Statistical Analysis and Computational Methods in Civil Engineering, Transportation Engineering Environmental Engineering, Fuzzy Logic

### Personal Details

**Date of Birth :** 07.01.1986

**Domicile:** Maharashtra

**Gender :** Female

**Blood Group:** O+ve

**Contact Details:** 9011116974

### Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	PhD	Civil Engineering	SPPU	--	2024
2	M E	Civil Engineering (CM)	SPPU	First Class	2012
3	B.E.	Civil Engg.	SPPU	Distinction	2009

## Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	15	4
<b>Total</b>		<b>15</b>	<b>4</b>

## Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Systems Approach in Civil Engineering	UG	BE	07
2	TQM & MIS in Civil Engineering	UG	BE	03
3	Transportation Engineering	UG	BE	05
4	Project Management & Engineering Economics	UG	TE	08
5	Optimization Techniques	PG	ME	03
6	Project Management	UG	SE	02
7	Construction Management	UG	BE	02
8	Construction Management	UG	TE	01
9	Statistical Analysis and Computational Methods in Civil Engineering	UG	BE	04
10	Architecture and Town planning	UG	TE	01

## Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
<b>Journals</b>	03	13	-	2	10
<b>Conferences</b>	-	04	-	-	-

## Publication Details (Journals)

Sr. No	Document Details	Authors	Year	Source Details	ISBN/ISSN
1	"Delay Analysis and CostOverruns in Major Lift Irrigation Scheme"	K M Sant, M R Apte	2012	National Journal of NICMAR publication	ISSN No 0970-3675.
2	Effective Traffic Management for Two major junctions of Pune city by Predictive analysisand Design of Simulation Model	Kalyani Kulkarni, Sneha Khedekar, Ninad Pande	2017	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol.6, Issue 3	ISSN-2347-6710
3	Life Cycle Cost Analysis of a Major Public Project	K N Kulkarni, Mr. Shivraj Ramakant Gade, Mr. Ajinkya Vikram Jadhav, Mr. Nikhil Dilip Jadhav	2018	International Journal of Engineering Science Invention (IJESI), July 2018, Volume 7 Issue 7 Ver I,	ISSN (Onlin e): 2319 – 6734,ISSN (Print):2319 – 6726.
4	Feasibility Study of Replacement of Cement and Sand in Concrete andMortar by ECOSPHERE	S P Khedekar, Shilpi Bhuinyan, KN Kulkarni	2017	International Journal of Engineering Technology Science and Research (IJETSR), Vol.4,Issue 8	ISSN 2394 – 3386
5	Formulating a Soil ErosionModel & Accounting for its Effects on the Dam Capacity - Pavana Dam Catchment	K N Kulkarni,S P Khedekar, S S Bhuinyan	2018	International Journal of Engineering Technology Science and Research(IJETSR), Vol.5,Issue 1	ISSN 2394 – 3386
6	"Development of a Mathematical Model using Correlation Regression Analysis on Traffic Management at Major	K N Kulkarni, Shubham Banthia, Rishabh	2018	International Journal of Engineering Science Invention (IJESI)	ISSN (Online) : 2319 – 6734,ISSN (Print):

	Junctions in City	Itkelwar, Nachiket Jadhav, Santosh Patil			2319 – 6726 www.ijesi.org Volume 7 Issue 6 Ver IV, June 2018, PP 83-87
7	Efficiency of Ecosphere as cement replacement material for strength performance of Siporex and Conventional Red Brick	Bhuinyan, KN Kulkarni, S P Khedekar	2020	International Journal of Creative Research Thoughts (IJCRT), Volume 8, Issue 3,	ISSN: 2320- 2882
8	“Ambient Air Quality Assessment Studies in India: A Review”	K N Kulkarni, Dr. R K Lad,	2020	Journal of Critical Reviews	ISSN- 2394- 5125 VOL 7, ISSUE 18, 2020, Pg nos. 785-791
9	A Review Paper on New Trend in Splicing for Beneficial Outputs	K N Kulkarni, Nachiket Mahajan, Shruti Lonkar, Rahul Vikhe, Ojaswi Patil	2021	International Journal of Innovative Research in Technology	Volume 6 Issue 1 ISSN: 2349-6002
10	Development of Mathematical Model for Ground Water Characteristics	K.N. Kulkarni, Chinmay Borgaonkar, Agraj Chakor, Shalaka Bhosale, Tanmay Kothawade	2021	International Journal of Innovative Research in Technology	Volume 6 Issue 1 ISSN: 2349-6002
11	Sustainable Drainage System by Using Pervious Pavements and Its Applicability in Pune City	K.N. Kulkarni, Shreyas Mutadak, Pratik Parmar, Niketan More	2021	International Journal of Innovative Research in Technology	Volume 6 Issue 1 ISSN: 2349-6002
12	Modelling and Analyzing Land-Use Pattern Using GIS	Kalyani. N. Kulkarni, Sanket Anil Bhamre, Akshay Gaware, Kunal Ghule, Adhiraj Kotwal	2022	International Journal of Scientific Research & Engineering Trends	Volume 8, Issue 4, July- Aug-2022, ISSN (Online): 2395-566X
13	An Assessment of Assimilative	K N Kulkarni, Dr. R K Lad	2022	Mathematician Statistician and	ISSN: 2094-0343 2326- 9865

	Capacity, the current industrial Air Pollution Load and supportive carrying capacity in the Chakan region			Engineering Applications	
14	Compress Strength of Polypropylene Fiber Reinforced Concrete	K N Kulkarni, S S Bhuinyan, S P Khedekar	2021	IJMTE	2249-7455
15					

### Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
<b>International Conference</b>						
01	Feasibility Study of Replacement of Cement and Sand in Concrete and Mortar by ECOSPHERE	S P Khedekar, Shilpi Bhuinyan, K N Kulkarni	27 <sup>th</sup> August 2017	International conference on "Advancement in Engineering, Applied Science & Management"		MCCIA, Pune
02	Formulating a Soil Erosion Model & Accounting for its Effects	K N Kulkarni, S P Khedekar, S S Bhuinyan	7 <sup>th</sup> January 2018.	International conference on "Advancement in Engineering, Applied		<i>Institute of Engineers, Mumbai</i>
03	Ambient Air Quality Assessment Studies In India: A Review	Kalyani N Kulkarni, Ravindra K Lad	20 <sup>th</sup> July 2020	13 <sup>th</sup> International Conference on Recent Development in Engineering, Science, Humanities and Management (ESHM-2020)		<i>International Centre Goa, (India)</i>
04	Fuzzy Logic and its Developmental Advances: A Review	Kalyani N Kulkarni, Ravindra K Lad	28-29, June 2022	2nd International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS 2021)		<i>St. Joseph's College of Engineering and Technology, Palai</i>

	on the Dam Capacity - Pavana Dam Catchment			Science & Management"		
03	Efficiency of Ecosphere as cement replacement material for strength performance of siporex and Conventional Red Brick 2663-2668	K N Kulkarni	17 <sup>th</sup> May, 2019	International Journal of Creative Research	ISSN: 2320-2882	
04	"Ambient Air Quality Assessment Studies In India: A Review"	K N Kulkarni, Dr. R K Lad,	25 <sup>th</sup> July, 2020	13 <sup>th</sup> International Conference on Recent Development in Engineering, Science, Humanities & Management	978-93-90103-05-8	
05	Correlation analysis of atmospheric pollutants and meteorological factors using statistical tools in Pune, Maharashtra	K N Kulkarni	2021	(1-10)E3S Web of Conferences 391, 01190 (2023)	ISSN: 2267-1242 Scopus	
06	Developmental Studies for a Fuzzy Rule based System for Various Engineering Applications	K N Kulkarni	2021	Design Engineering	ISSN: 0011-9342 Year 2021 Issue: 8 Pages: 12409 - 12412	Scopus indexed
<b>National Conference</b>						
01	Predictive Analysis and Design of Simulation	K N Kulkarni, S P Khedekar	14th & 15th February 2017	inSight'17		MIT, College of Management, Pune
02	Developing a Comprehensive Program on Inventory Management with Reference to Building Construction	K N Kulkarni, S P Khedekar	26 <sup>th</sup> June 2023	International Conference of Innovation in Mechanical and Civil Engineering 2023		PCCOE Pune
03	A Mathematical Model on Water Quality Assessment of Pune City	K N Kulkarni, S P Khedekar	26 <sup>th</sup> June 2023	International Conference of Innovation in Mechanical and Civil		PCCOE Pune

				Engineering 2023		
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#### PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	-	18

#### Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
ICI	National	Life Membership	LM9949
IWWA	National	Life Membership	LM10245
ISTE	National	Life Membership	LM134140
SESI	National	Life Membership	LM/2515/2021

## Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S.No	Title	Type	Duration	Level (State/National / International)	Sponsoring Agency
01	Advanced Trends in Environmental and Transportation Engineering	Workshop	26 <sup>th</sup> March, 2018	State	Department of Civil Engineering, AISSMS COE, Pune in association with SPPU
02	Post graduate Conference 2016	Conference	09 <sup>th</sup> -10 <sup>th</sup> June 2016	University	BOS Civil Engineering, SPPU, Pune
03	Drafting of BE Civil Syllabus	Workshop	10 <sup>th</sup> June 2015	University	BOS Civil Engineering, SPPU, Pune
04	FDP on Water Management & Energy Conservation	FDP	1 day (14 <sup>th</sup> July 2018)	University	Engineering, AISSMS COE, Pune in association with SPPU
05	FDP on "Research Methodology"	FDP	2 days (8,9 September 2019)	University	Engineering, AISSMS COE, Pune in association with SPPU
06	STTP on Intelligent Soft Computing Techniques	STTP	10-14 December 2018	University	JSPM Narhe Technical Campus, Narhe
07	1 week FDP By NPTEL course on "Developing soft skills and Personality"	FDP	12 week	NPTEL	NPTEL
08	One week FDP on "Vision-Mission PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment"	FDP	1 week	AISSMS COE	SPPU
09	Coffee & Conversation with Alumni	Webinar	27 <sup>th</sup> May, 2020	State	AISSMS COE



10	Workshop on Online Content Delivery for B. E. Civil (2015 Pat.)	Workshop	14/07/20 to 16/07/20	University	Department of Civil Engineering AISSMS COE in association with
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					BOS, Civil Engg, SPPU
11	Hands on session- Digital Internship Program	Webinar	22 <sup>nd</sup> May, 2020	State	AISSMS COE
12	One-week Online Short-Term Training Program on "Emerging Applications of Geog Information System (EAGIS - 2020)"	STTP	30/11/20 to 05/12/20	National	AICTE sponsored
13	One Week Students Development Program for SE Civil (Specially for Direct Second year)	SDP	1/02/21 to 7/02/21	University	Dept of Civil Engg AISSMS COE
14	Workshop for Drafting of TE Civil 2019 Pattern Syllabus	Workshop	03/05/21 to 05/05/21	University	AISSMS College of Engineering, Pune in association Board of Studies, Civil Engg, SPPU
15	Hands on session- Digital Internship Program	Webinar	22 <sup>nd</sup> May, 2020	State	AISSMS COE
16	One-week Online Short-Term Training Program on "Emerging Applications of Geog Information System (EAGIS - 2020)"	STTP	30/11/20 to 05/12/20	National	AICTE sponsored
17	Paramarsh 2020 -Inauguration Ceremony	Program	1 day	State	AISSMS COE in association with SPPU
18	FDP on "Outcome based Curriculum Design: Framework"	FDP	One week from 9-14 December 2019	State	AISSMS COE
19	A National Workshop on " Climate Change - Challenges, Adaptation and Mitigation"	Workshop	2 days 23 and 24 Jan 2020.	National	RSCOE
20	FDP on "OpenFoam"	FDP	One week April 28 to May04,2020	State	AISSMS COE
21	FDP on "OBE- A Step towards excellence"	FDP	5day 11th May to 15th May 2020	National	GCE Karad.
22	FDP on "Outcome Based Education"	FDP	1 day 29/04/2020	National	Inpods

23	FDP on “Technical Teacher’s Training”	FDP	One week 22nd May to 27th May, 2020	National	VVIT Pal
24	National Workshop on “Recent Trends in Civil Engineering Constructions”	Workshop	Two Days 30th May to 31st May, 2020	National	RSCOE, SPPU
25	Hands on FDP on “Effective use of ICT tools for Efficient Online Teaching”	FDP	Two days 29th May to 30th May, 2020	National	PICT, Pune
26	Workshop on “Effective and Efficient online teaching in the age of Corona, A hands on workshop”	Workshop	1 day 16th May, 2020	National	IIT Bombay
27	FDP on “Advances in Civil Engineering”	FDP	5 days 26th May to 30th May, 2020	National	Nagpur Institute of Technology
28	ATAL FDP on "Personal Effectiveness"	FDP	1 week, 12-07-2021 to 16-07-2021	National	Govt. Engineering College, Thrissur
29	ATAL FDP on " Recent Developments in construction Technology addressing Infrastructure and Costal Engineering"	FDP	1 week, 09-08-2021 to 13-08-2021	National	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune
30	ATAL FDP on "Air Pollution and Climate change (APCC-2021)"	FDP	1 week, 20-09-2021 to 24-09-2021	National	S V National Institute Of Technology, Surat
31	Orientation/Refresher Program on “Outcome Based Education (In Orientation with NBA)”	Refresher Course	1 week, 13-12-2021 to 18-12-2021	National	D.Y.Patil College of Engineering, Pune.
32	Short Term Training Programme through ICT Mode on Fuzzy and Rough Set Theory	STTP	1 week, 14th June to 18th June, 2021	National	NITTTR Kolkata
33	Workshop on implementation and execution of Third Year Civil Engineering 2019 Pattern Syllabus. Presented Subject SACM	Workshop	13 to 15 Jan. 2022.	National	ABMSP Anantrao Pawar College of Engineering and Research Pune
34	STTP/Refresher Program on “Project Based Learning (PBL)”	STTP	1 week	State	AISSMS COE

## Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
01	JSPMS' Technical Campus, Narhe, Pune	Delivered an Expert Lecture on Unit 5 and 6 of subject Project Management and Engineering Economics for TE Civil students of JSPMS' Technical Campus, Narhe, Pune	Regional	28 <sup>th</sup> March 2015
02	Sinhgad Academy of Engineering Kondhwa	expert lecture on Dynamic Programming concept and Applications and Linear Programming Techniques and	Regional	5 <sup>th</sup> October 2014
03	AISSMS COE PUNE	One Week Students Development Program on "GATE Coaching with Tips and Tricks"	Regional	AISSMS COE PUNE
04	55 <sup>th</sup> Annual Convention by Indian Water Works Association	Poster Competition – Vice Chairman	Regional	20 <sup>th</sup> to 22 <sup>nd</sup> January, 2022
05	Subject expert and Resource person for BRO-DRDO Training program of Government of India	Training program on "Drafting of DPR" for BRO officers	National	21-22 November 2023
06	Subject expert and Resource person for BRO-DRDO Training program of Government of India	Training program on "Drafting of DPR" for BRO officers	National	05-06 January 2024

07	Subject expert and Resource person for BRO-DRDO Training program of Government of India	Training program on "Drafting of DPR" for BRO officers	National	21-22 October 2024
08	Subject expert and Resource person for BRO-DRDO Training program of Government of India	Training program on "Drafting of DPR" for BRO officers	National	18-19 January 2025

		Applications for BE Civil students		
05	Sinhgad College of Engineering, Wadgao, Pune	syllabus related content and ways of teaching through online mode for “SE 2019 Pattern Online Syllabus Orientation Workshop” for online teaching for subject building Technology and Architecture Planning at SE level for all the faculties of all colleges teaching this subject under SPPU, hosted by Sinhgad College of Engineering, Wadgao, Pune	Regional	22 <sup>nd</sup> to 26 <sup>th</sup> June 2020.

## Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1.	Three Days FDP on "Research Funding and IPR"	FDP	07/06/21 To 09/06/21	K C College of Engg Management studies And Research, Thane	K C College of Engg Management studies And Research, Thane
2.	One Day National Workshop On "Concrete Mix Design"	Workshop	04/06/21	K D K College of Engg Nagpur	K D K College of Engg Nagpur
3.	One Day International FDP on "Evolution of Construction Industry to address Infrastructure challenges"	FDP	23/04/21	Dept of FE and Department Of Civil Engineering, AISSMS College of Engineering, Pune	Dept of FE and Department Of Civil Engineering, AISSMS College of Engineering, Pune
4.	Expert Lecture by Dr. Utpal K Ganatra on "Soft Skills: A must have Asset for Engineers"	Expert Lecture	20/03/21	Department Of Civil Engineering, AISSMS College of Engineering, Pune	Department Of Civil Engineering, AISSMS College of Engineering, Pune
5.	One Day Workshop on "Project Based Learning"	Workshop	23/01/21	Department of E&TC Engineering, Vishwakarma Institute of Technology, Pune and BOS - E&TC Engineering, Savitribai Phule	Department of E&TC Engineering, Vishwakarma Institute of Technology, Pune and BOS - E&TC Engineering, Savitribai Phule
6.	"Virtual Labs: Hands-On Workshop"	Workshop	18/07/20	PVG's COET, VirtualLabs Regional Center (Pune), Jointly with AISSMSCOE, & Virtual Labs-IIT Bombay	PVG's COET, VirtualLabs Regional Center (Pune), Jointly with AISSMSCOE, & Virtual Labs-IIT Bombay
7.	One week FDP on Vision-Mission-Goals-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment at AISSMSCOE in June 2019	FDP	10 June to 14 June 2019	AISSMS's COE Pune	AISSMS's COE Pune
8.	Staff Development Program	FDP	22 <sup>nd</sup> – 23 <sup>rd</sup> Aug. 2016	AISSMS's COE Pune	AISSMS's COE Pune
9.	How to draft a Research Proposal	Workshop	31 <sup>st</sup> August 2017	ABMSP's Anantrao Pawar College of Engineering & Research, Pune on	ABMSP's Anantrao Pawar College of Engineering &

					Research, Pune
10.	Application of Soft Computing Techniques in Civil Engineering	Workshop	21 <sup>st</sup> and 22 <sup>nd</sup> December 2017 .	Sinhgad Institute of Technology & Science, Narhe	Sinhgad Institute of Technology &



					Science, Narhe
11.	2 <sup>nd</sup> National Teachers Congress	Conference	10 <sup>th</sup> , 11 <sup>th</sup> and 12 <sup>th</sup> January 2018	MIT, PUNE	MIT, PUNE
12.	Research Methodology and Data Analysis	FDP	Sept 28 <sup>th</sup> -29 <sup>th</sup> 2018	RSCOE, PUNE	RSCOE, PUNE
13.	The Effectiveness of Marketing Communications	Workshop	3 <sup>rd</sup> to 5 <sup>th</sup> July, 2019	AISSMS, PUNE	AISSMS, PUNE
14.	Water Management in India	Indo-German Conference	29 <sup>th</sup> May, 2017	AISSMS COE, ITI Boribhadak and VESBE	AISSMS COE, ITI Boribhadak and VESBE
15.	Outcome based Curriculum Design: Framework	FDP	14 December 2019	AISSMS COE PUNE	AISSMS COE PUNE
16.	Climate Change - Challenges, Adaptation and Mitigation	Workshop	23 and 24 Jan 2020	RSCOE, PUNE	RSCOE, PUNE
17.	Latex	FDP	28 <sup>th</sup> April to 04 <sup>th</sup> May 2020	AISSMS COE PUNE	AISSMS COE PUNE
18.	OpenFoam	FDP	28 <sup>th</sup> April to 04 <sup>th</sup> May 2020	AISSMS COE PUNE	AISSMS COE PUNE
19.	SciLab	FDP	08 <sup>th</sup> June to 14 <sup>th</sup> June, 2020	AISSMS COE PUNE	AISSMS COE PUNE
20.	OBE- A Step towards excellence	FDP	11 <sup>th</sup> May to 15 <sup>th</sup> May 2020	GCE KARAD	GCE KARAD
21.	Machine Learning and Deep Learning Applications in Engineering and Science	FDP	16 <sup>th</sup> May to 20 <sup>th</sup> May, 2020	GCE KARAD	GCE KARAD
22.	Advances in Civil Engineering	FDP	26 <sup>th</sup> May to 30 <sup>th</sup> May, 2020	Nagpur Institute of Technology, Nagpur	Nagpur Institute of Technology, Nagpur
23.	Python + Django Framework”	FDP	20 <sup>th</sup> May to 02 <sup>nd</sup> June, 2020	APS Microtech Pvt Ltd	APS Microtech Pvt Ltd
24.	Technical Teacher's Training	FDTP	22 <sup>nd</sup> May to 27 <sup>th</sup> May, 2020	Vidyavardhini Institute Of Technology, Pal	Vidyavardhini Institute Of Technology, Pal
25.	Recent Trends In Civil Engineering Constructions	Workshop	30 <sup>th</sup> May to 31 <sup>st</sup> May, 2020	RSCOE, Pune	RSCOE, Pune

26.	Effective use of ICT tools for Efficient Online Teaching	Workshop	29 <sup>th</sup> May to 30 <sup>th</sup> May, 2020	PICT, Pune	PICT, Pune
27.	Research in Environmental Engineering & A Way Forward	FDP	15 <sup>th</sup> June to 20 <sup>th</sup> June, 2020	PCCOE, Nigdi	PCCOE, Nigdi
28.	MATLAB for ALL	STTP	4 <sup>th</sup> June to 8 <sup>th</sup> June, 2020	Sir M Visvesvaraya Institute Of Technology, Bangalore	Sir M Visvesvaraya Institute Of Technology, Bangalore
29.	Research And Publication Ethics	STTP	29 <sup>th</sup> June to 03 <sup>rd</sup> July, 2020	Ram Meghe Institute of Technology & Research, Amravati	Ram Meghe Institute of Technology & Research, Amravati
30.	Recent Trends in Civil Engineering & Construction Technology	STTP	8 <sup>th</sup> to 12 <sup>th</sup> June, 2020	Babasaheb Naik COE, Pusad	Babasaheb Naik COE, Pusad
31.	Advances in Highway Systems	Workshop	23 <sup>rd</sup> to 25 <sup>th</sup> June, 2020	Dayananda Sagar COE	Dayananda Sagar COE
32.	The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop	Hands on workshop	18 <sup>th</sup> June to 24 <sup>th</sup> June, 2020	IIT Bombay	IIT Bombay
33.	Research Opportunities in Environmental Engineering	FDP	20 <sup>th</sup> July 2020 to 25 <sup>th</sup> July 2020	Bharati Vidyapeeth College of Engineering, Pune in association with S. B. Patil College of Engineering, Indapur, Pune	Bharati Vidyapeeth College of Engineering, Pune in association with S. B. Patil College of Engineering, Indapur, Pune
34.	Amplifying proficiency in Advanced Civil Engineering	FDP	27 <sup>th</sup> July to 31 <sup>st</sup> July, 2020.	AISSMS IOIT, Pune	AISSMS IOIT, Pune
35.	Behavioral Practices for Maximum Personal Productivity	AICTE sponsored STTP	17 <sup>th</sup> August to 22 <sup>nd</sup> August 2020	Government Polytechnic, Nagpur	Government Polytechnic, Nagpur
36.	Recent innovations in Civil Engineering	FDP	24 <sup>th</sup> August to 29 <sup>th</sup> August 2020	Don Bosco Institute of Technology, Bangalore	FDP
37.	Disaster mitigation: A shift from disaster management towards disaster preparedness	STTP	7 <sup>th</sup> September to 12 <sup>th</sup> September, 2020	B.S. Abdur Rahman Crescent Institute of Science and Technology Chennai	B.S. Abdur Rahman Crescent Institute of Science and Technology Chennai
38.	Patent, Research paper and Copyright (WPRC)	Workshop	10 <sup>th</sup> September to 12 <sup>th</sup> September, 2020	G.H.Raisoni College of Engineering & Management, Wagholi, Pune.	G.H.Raisoni College of Engineering & Management, Wagholi, Pune.

39.	Outcome Based Education	FDP	10 <sup>th</sup> September to 12 <sup>th</sup> September, 2020	DYPIT, Pimpri, Pune.	
40.	Introduction to Research	NPTEL course	September- November 2020	NPTEL	NPTEL
41.	Application of BIM in Performance Assessment of Built Environment	STTP	19 <sup>th</sup> – 24 <sup>th</sup> October 2020	KIT'S COE, Kolhapur	KIT'S COE, Kolhapur
42.	Advances in Construction and Project Management	STTP	23 <sup>rd</sup> – 28 <sup>th</sup> November, 2020	Charotar University of Science and Technology (CHARUSAT)	Charotar University of Science and Technology (CHARUSAT)
43.	Predictive Analytics using Artificial Intelligence	STTP	14 <sup>th</sup> – 19 <sup>th</sup> December, 2020	NRI Institute of Technology, Agiripalli	NRI Institute of Technology, Agiripalli
44.	TECHNICAL WRITING & RESEARCH METHODOLOGY	STTP	28 <sup>th</sup> December 2020 – 02 <sup>nd</sup> January, 2020	Chaitanya Bharathi Institute of Technology Proddatur.	Chaitanya Bharathi Institute of Technology Proddatur.
45.	Recent Advancements in Concrete Technology	FDP	9 <sup>th</sup> January, 2021	AISSMS COE	AISSMS COE
46.	Unbox Research and Beyond Research-What Next?	FDP	28 <sup>th</sup> April to 05 <sup>th</sup> May 2021	DYPIT, Pimpri	DYPIT, Pimpri
47.	Latex Skill Certification Program	Workshop	11 <sup>th</sup> May to 13 <sup>th</sup> May, 2021	DYPIT, Pimpri	DYPIT, Pimpri
48.	Research Directions in Science and Technology	FDP	17 <sup>th</sup> May to 21 <sup>st</sup> May, 2021	DYPIT, Pimpri	DYPIT, Pimpri
49.	Stress Management	Course	21 <sup>st</sup> September to 25 <sup>th</sup> September, 2020	AICTE Training And Learning Academy	AICTE Training And Learning Academy
50.	Learn to Design your own Solar Home System	Course	30 <sup>th</sup> August, 2020	Energy Literacy Drive of the Energy Swaraj Foundation in association with AISSMS College of Engineering, Pune.	Energy Literacy Drive of the Energy Swaraj Foundation in association with AISSMS College of Engineering, Pune.
51.	Emerging Applications of Geographic Information System (EAGIS - 2020): Phase-3	STTP	14 <sup>th</sup> Dec 2020 to 19 <sup>th</sup> Dec 2020	AISSMS COE PUNE	AISSMS COE PUNE

52.	Research and publication ethics	STTP	29 June to 3 July, 2020	Prof Ram Meghe Institute of Technology & Research, Amravati	Prof Ram Meghe Institute of Technology & Research, Amravati
53.	Online Syllabus Orientation Workshop for S.E. Civil (2019 Pat.)	Workshop	22nd to 26th June, 2020	Sinhgad College of Engineering and SPPU	Sinhgad College of Engineering and SPPU
54.	Construction Projects Management with Innovative Tools & Techniques	Workshop	10 <sup>th</sup> August 2020.	SRM Institute of Science & Technology, Ramapuram, Chennai-89	SRM Institute of Science & Technology, Ramapuram, Chennai-89
55.	The Bodhi Tree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop	Workshop	18 to 24 June 2020	IIT, Bombay	IIT, Bombay
56	Research Opportunities in Environmental Engineering	FDP	20 <sup>th</sup> July 2020 to 25 <sup>th</sup> July 2020	Bharati Vidyapeeth College of Engineering, Pune in association with S. B. Patil College of Engineering, Indapur, Pune	
57	Amplifying proficiency in Advanced Civil Engineering	FDP	27 <sup>th</sup> July to 31 <sup>st</sup> July, 2020.	AISSMS IOIT, Pune	AISSMS IOIT, Pune
58	Behavioral Practices for Maximum Personal Productivity	AICTE sponsored STTP	17 <sup>th</sup> August to 22 <sup>nd</sup> August 2020	Government Polytechnic, Nagpur	Government Polytechnic, Nagpur
59	Recent innovations in Civil Engineering	FDP	24 <sup>th</sup> August to 29 <sup>th</sup> August 2020	Don Bosco Institute of Technology, Bangalore	FDP
60	Disaster mitigation: A shift from disaster management towards disaster preparedness	STTP	7 <sup>th</sup> September to 12 <sup>th</sup> September, 2020	B.S. Abdur Rahman Crescent Institute of Science and Technology Chennai	B.S. Abdur Rahman Crescent Institute of Science and Technology Chennai
61	Patent, Research paper and Copyright (WPRC)	Workshop	10 <sup>th</sup> September to 12 <sup>th</sup> September, 2020	G.H.Raisoni College of Engineering & Management, Wagholi, Pune.	G.H.Raisoni College of Engineering & Management, Wagholi, Pune.
62	Outcome Based Education	FDP	10 <sup>th</sup> September to 12 <sup>th</sup> September, 2020	DYPIT, Pimpri, Pune.	
63	Introduction to Research	NPTEL course	September- November 2020	NPTEL	NPTEL

64	Application of BIM in Performance Assessment of Built Environment	STTP	19 <sup>th</sup> – 24 <sup>th</sup> October 2020	KIT'S COE, Kolhapur	KIT'S COE, Kolhapur
65	Advances in Construction and Project Management	STTP	23 <sup>rd</sup> – 28 <sup>th</sup> November, 2020	Charotar University of Science and Technology (CHARUSAT)	Charotar University of Science and Technology (CHARUSAT)
66	Predictive Analytics using Artificial Intelligence	STTP	14 <sup>th</sup> – 19 <sup>th</sup> December, 2020	NRI Institute of Technology, Agiripalli	NRI Institute of Technology, Agiripalli
67	TECHNICAL WRITING & RESEARCH METHODOLOGY	STTP	28 <sup>th</sup> December 2020 – 02 <sup>nd</sup> January, 2020	Chaitanya Bharathi Institute of Technology Proddatur.	Chaitanya Bharathi Institute of Technology Proddatur.
68	Recent Advancements in Concrete Technology	FDP	9 <sup>th</sup> January, 2021	AISSMS COE	AISSMS COE
69	Unbox Research and Beyond Research-What Next?	FDP	28 <sup>th</sup> April to 05 <sup>th</sup> May 2021	DYPIT, Pimpri	DYPIT, Pimpri
70	Latex Skill Certification Program	Workshop	11 <sup>th</sup> May to 13 <sup>th</sup> May, 2021	DYPIT, Pimpri	DYPIT, Pimpri
71	Research Directions in Science and Technology	FDP	17 <sup>th</sup> May to 21 <sup>st</sup> May, 2021	DYPIT, Pimpri	DYPIT, Pimpri
72	Stress Management	Course	21 <sup>st</sup> September to 25 <sup>th</sup> September, 2020	AICTE Training And Learning Academy	AICTE Training And Learning Academy
73	Programming for Everybody (Getting Started with Python)	Course	20 <sup>th</sup> January, 2021	Coursera	Coursera
74	Learn to Design your own Solar Home System	Course	30 <sup>th</sup> August, 2020	Energy Literacy Drive of the Energy Swaraj Foundation in association with AISSMS College of Engineering, Pune.	Energy Literacy Drive of the Energy Swaraj Foundation in association with AISSMS College of Engineering, Pune.
75	Emerging Applications of Geographic Information System (EAGIS - 2020): Phase-3	STTP	14th Dec 2020 to 19th Dec 2020	AISSMS COE PUNE	AISSMS COE PUNE
76	Research and publication ethics	STTP	29 June to 3 July, 2020	Prof Ram Meghe Institute of Technology &	Prof Ram Meghe Institute of Technology &
				Research, Amravati	Research, 77Amravati
77	Online Syllabus Orientation Workshop for S.E. Civil (2019 Pat.)	Workshop	22nd to 26th June, 2020	Sinhgad College of Engineering and SPPU	Sinhgad College of Engineering and SPPU

78	Construction Projects Management with Innovative Tools & Techniques	Workshop	10 <sup>th</sup> August 2020.	SRM Institute of Science & Technology, Ramapuram, Chennai-89	SRM Institute of Science & Technology, Ramapuram, Chennai-89
79	The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop	Workshop	18 to 24 June 2020	IIT, Bombay	IIT, Bombay
80	ATAL FDP on "Personal Effectiveness"	FDP	12-07-2021 to 16-07-2021	Govt. Engineering College, Thrissur	Govt. Engineering College, Thrissur
81	ATAL FDP on "Recent Developments in construction Technology addressing Infrastructure and Coastal Engineering"	FDP	09-08-2021 to 13-08-2021	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune
82	ATAL FDP on "Engineering Optimization Techniques and its Applications (ENOTAA-2021)"	FDP	14-06-2021 to 18-06-2021	Government College of Engineering Aurangabad	Government College of Engineering Aurangabad
83	ATAL FDP on "Air Pollution and Climate change (APCC-2021)"	FDP	20-09-2021 to 24-09-2021	S V National Institute of Technology, Surat	S V National Institute Of Technology, Surat
84	Orientation/Refresher Programme on "Outcome Based Education (In Orientation with NBA)"	Refresher Programme	13-12-2021 to 18-12-2021	D.Y.Patil College of Engineering, Pune.	D.Y.Patil College of Engineering, Pune.
85	Workshop on implementation and execution of Third Year Civil Engineering 2019 Pattern Syllabus.	Workshop	13 to 15 Jan. 2022.	ABMSP Anantrao Pawar College of Engineering	ABMSP Anantrao Pawar College of Engineering
86	AICTE - NITTT Course on Module 3 - Communication Skills, Modes & Knowledge Dissemination	Course	8 weeks Feb, 2022	AICTE - SWAYAM	AICTE - SWAYAM
87	FDP on "Latest Trend of Research in Civil Engineering"	FDP	09-03-2022 to 14-03-2022	DYPIT, Pimpri	DYPIT, Pimpri
88	STTP/Refresher Program on "Project Based Learning (PBL)"	STTP	21-02-2022 to 26-02-2022	AISSMS COE	AISSMS COE
89	55 <sup>th</sup> Annual Convention – Indian Water Works Association	Convention	20-01-2023 to 22-01-2023	Department of Civil Engineering AISSMS COE In association with IWWA	IWWA
90	Completed Two Weeks Faculty Development Programme on Advanced Pedagogy	FDP	06-02-2023 to 17-02-2023	NITTTR, Kolkata	NITTTR, Kolkata
91	Completed training in "ENERGY LITERACY TRAINING" of the Energy Swaraj Foundation.	Training	10-04-2023	Energy Swaraj Foundation	

92	AICTE-ISTE approved one-week STTP on "Advancements and Application of Artificial Intelligence and Machine Learning"	AICTE-ATAL FDP	4th to 8th September, 2023	Smt. Kashibai Navale College of Engineering, Pune	Smt.Kashibai Navale College of Engineering, Pune
93	FDP on "Low-cost Housing"	FDP	10 July – 14 July 2023	NITTTR Bhopal	NITTTR Bhopal
94	One Week Faculty Development Programme on Air, Water Pollution and Health	FDP	31st July to 4th August, 2023	NITTTR, Kolkata	NITTTR, Kolkata
95	NPTEL E-Awareness workshop	Workshop	August 18, 2023	NPTEL	NPTEL
96	8-week FDP Accreditation and Outcome-Based Learning, organised by NPTEL.	NPTEL Course and FDP	Aug-Oct, 2023	NPTEL	NPTEL
97	TFX - TRIZ 2023 conference	Conference	Nov 29 - Dec 1, 2023	AISSMS COLLEGE OF ENGINEERING & TRIZ	
98	Development of Sustainable Concrete for Structural Applications	National Conference	30/10/2023	Published 202331 073958	

### Books/ Patents/ Copyrights IPR

Sr. No.	Title of Book/Patent	Details	Publication
01	Patent: Development of Sustainable Concrete for Structural Applications	National 30/10/20 23 Published 202331 073958	National
02	Book: Basic Civil Engineering	978-93-5850-968-7	National

### Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
01	Institute Level Cultural Incharge
02	Member Academic Council for Autonomy
03	Department Level Academic Co ordinator
04	Timetable Incharge of Civil Engineering Department.
05	Incharge of Transportation Engineering Laboratory.
06	Departmental V Labs, Spoken Tutorial and NPTEL Co-ordinator.
07	Institute Level Committee (ILC) incharge for Cultural Activities from 2018 till date
08	Served as Chairman of Reception Committee for "SHIVANJALI" and "ENGINEERING TODAY" in year 2012 – 2014.
09	Served as a coordinator of "SCIENCE EXHIBITION" held in year 2014, 2016 and 2017.
10	Serving as ILC member for Cultural Committee as Incharge

11	Committee member for Technical Paper Presentation Competition for Civil Engineering Department for “Engineering Today – 2016”
12	Central Committee member for “Stage and Reception” for AISSMS COE FOR “Engineering Today and Shivanjali – 2016”
13	Central Committee Member for “Sponsorship” for “Engineering Today – 2017”
14	Central Committee Member for “Stage and Reception” for “Engineering Today – 2018”
15	Central Committee Member for “Stage and Reception” for “AVISHKAR-2018”
16	Central Committee Member for “Stage and Reception” for “Convocation Ceremony-2018”
17	Central Committee Member for “Stage and Reception” for “AVISHKAR-2019”
18	Worked as Central Criteria Incharge of Criteria III for NAAC.
19	Criteria III member for NBA for Civil Department
20	Central Committee Member for “Ashwamedh Shivanjali” 2020.
21	Exam Co-ordinator of Department of Civil Engineering for 2 years
22	Subject Chairman under SPPU for BE Elective IV Statistical Analysis and Computational Techniques in Civil Engineering for year 2018, 19, till date
23	Worked as paper setter and examiner for subject APDB at SE level for years 2018,19,20,21,22
24	Worked as paper setter and examiner for Subject GBT for years 2019, 2020, 2021,2022,2023 and 2024
25	Worked as paper setter and examiner for Subject SACM for years 2019, 2020, 2021,2022,2023 and 2024
26	Worked as paper setter and examiner for Subject SACE for years 2019, 2020, 2021,2022,2023 and 2024
27	Worked as paper setter and examiner for Subject Statistical analysis for ME CM for years 2021,2022,2023 and 2024
28	Worked as paper setter and examiner for Subject Computational Methods for ME CM for years 2020,2021,2022, 2023

**Declaration:** I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

**Mrs Kalyani N Kulkarni**

(Name with Signature)