



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

An Autonomous Institute Affiliated to Savitribai Phule Pune University
Approved by AICTE, New Delhi and Recognised by Govt. of Maharashtra
Accredited by NAAC with "A+" Grade | NBA - 7 UG Programmes



Department of Civil Engineering

Faculty Profile

Prof.(Dr.) Suresh Ramraje Parekar

Ph.D (Civil Engineering)

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Research Areas / Areas of Interest

Concrete, fibers

Personal Details

Date of Birth :	29 / 09 / 1972	Domicile:	Maharashtra
Gender :	Male	Blood Group:	AB+ve
Contact	Sant Tukaram Nagar, Pimpri, Pune		
Details:	411018.		

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Civil Engineering	Pune	-	2010
2	M.E.	Civil-Structural Engineering	Kolhapur	I st with Distinction	1998
3	B.E.	Civil Engg.	Dr BAMU	I st with Distinction	1994

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	26	00
2	Research	00	00
3	Industry	2	01
4.	Others	--	--
Total		25	01

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Engineering Mechanics	UG	BE	15
2	Strength of Materials	UG	SE	08
3	Structural Analysis	UG	TE	07
4	Design of steel structures	UG	TE	05
5	Design of concrete structures	UG	TE	05
6	Advanced Design of Steel Structures	UG	SE	03
7	Advanced Mechanics of Solid	UG	SE	02
8	Theory of Elasticity and Plasticity	UG	FE	02
9	Finite element method	UG	BE	02
10	Numerical methods	UG	TE	01

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	-	27	-	04	06
Conferences	00	08	-	-	-

Publication Details (Journals) - 26

S. No	Document Details	Authors	Year	Source Details	ISBN/ISSN	Publisher
01	Design of Components of water treatment plant using prestressed concrete	Dr S R Parekar	2024	Vol 6, Issue 6	2582-7421	IJRPR
02	Energy dissipation in building using light weight buckling restrained bracing	Dr S R Parekar	2022	Vol 22, Issue 4	ISSN 0012-2440	Dickensian
03	Strengthening of Deep Beam with Openings Using Steel Plates	Dr S R Parekar,	2021	Vol 3, Issue 2	ISSN 2395-0072	IRJECT
04	Experimental investigation on Bacteria based Self-Healing Concrete	Dr S R Parekar	2020	Vol 5, Issue 2		IJACET
05	Strengthening of Deep Beam with Openings Using Steel Plates:, June 2021.	Dr S R Parekar	2021.	ISSN 2395-0056, P-ISSN 2395-0072	ISSN 2395-0056, P-ISSN 2395-0072	International research journal of engineering and technology
06	Experimental investigation on Bacteria based Self-Healing Concrete:	Dr S R Parekar	2020	Vol 5, Issue 2, 2020		International journal of Advanced Civil Engineering and Technology, Vol 5, Issue 2, 2020
07	Comparison in Design of Technical Steel Structure by Indian & European Code:	Dr S R Parekar	2020	Issue 11 , 2020 ISSN (online): 2321-0613		IJSRD - International Journal for Scientific Research & Development Vol. 7,

08	Effect of soil interaction on RC building frame:	Dr S R Parekar	2020	International Research Journal of Engineering and Technology, Vol 7, Issue 5, May 2020	International Research Journal of Engineering and Technology, Vol 7, Issue 5, May 2020	International Research Journal of Engineering and Technology, Vol 7, Issue 5, May 2020
09	Seismic Retrofitting by Adding a Shear Wall: (IJRASET),	Dr S R Parekar	2019.	ISSN: 2321-9653; Volume 7 Issue IX, Sep 2019.	ISSN: 2321-9653; Volume 7 Issue IX, Sep 2019.	International Journal for Research in Applied Science & Engineering Technology
10	Stress Distribution of Different apes of Opening in Shear Wall:	Dr S R Parekar	2019	ISSN: 2455-3778, Volume: 05, Issue No: 08, August 2019.	ISSN: 2455-3778, Volume : 05, Issue No: 08, August 2019	International Journal for Modern Trends in Science and Technology
11	Seismic analysis of step back building resting on sloping ground considering different types of bracing systems:	Dr S R Parekar	2019.	ISSN: 2455-3778, Volume: 05, Issue No: 07, July 2019.	ISSN: 2455-3778, Volume: 05, Issue No: 07, July 2019.	International Journal for Modern Trends in Science and Technology
12	Seismic Analysis of RCC, Steel and Steel Concrete Composite Frame:	Dr S R Parekar	2019	(IJRASET) ISSN: 2321-9653; Volume 7 Issue VII, July 2019	(IJRASET) ISSN: 2321-9653; Volume 7 Issue VII, July 2019	International Journal for Research in Applied Science & Engineering Technology

13	Experimental and finite element analysis of the steel fiber reinforced concrete under pure torsion:	Dr S R Parekar	2019	IJRAR) , June 2019, Volume 6, Issue 2.	IJRAR) , June 2019, Volume 6, Issue 2.	International Journal of Research and Analytical Reviews
14	Analytical and Numerical Analysis of Wind Pressure on Tall Building with Varying height Using CFD:	Dr S R Parekar	2019	IJRAR) , June 2019, Volume 6, Issue 2.	IJRAR) , June 2019, Volume 6, Issue 2.	International Journal of Research and Analytical Reviews (
15	Behavior of Castellated Beams With and Without Stiffeners- A Review:	Dr S R Parekar	2018	Vol 5, Issue 4, April 2018	Vol 5, Issue 4, April 2018	International Research Journal of Engineering and Technology,
16	Bacteria based Self-Healing Concrete: Review :	Dr S R Parekar	2018	Vol 5, Issue 3, March 2018	Vol 5, Issue 3, March 2018	International Journal of Innovative Science, Engineering and Technology,
17	Crack detection in RC beams using electrodes and sensing skin:	Dr S R Parekar	2017	Vol 3, Issue 10, Oct 2017	Vol 3, Issue 10, Oct 2017	International Journal for Scientific and Advanced Research in Technology,
18	Experimental and Analytical Analysis of Concrete Filled Square and Circular Tubes:	Dr S R Parekar	2016	Vol 3, Issue 6, Dec 2016	Vol 3, Issue 6, Dec 2016	International Research Journal of Engineering and Technology,

19	Composite Slab with Profiled Steel Deck:	Dr S R Parekar	2016	Vol 3, Issue 6, June 2016	Vol 3, Issue 6, June 2016	International Journal of Innovative Science, Engineering and Technology,
20	Evaluation of Young's Modulus of SFRC Members	Dr S R Parekar	2015	Aug 2015	Aug 2015	Science and Research, Volume 4, Issue 8,
21	Steel Fiber Reinforced Concrete Beams under Pure Torsion:	Dr S R Parekar	2016	Volume 90, Issue 6, 2016	Volume 90, Issue 6, 2016	Indian Concrete Journal, June 2016,
22	Steel Fiber Reinforced Concrete Beams without reinforcement under combined Bending , Shear and Torsion:	Dr S R Parekar	2012	Volume 86, Issue-04, 2012	Volume 86, Issue-04, 2012	Indian Concrete Journal, April 2012 issue,
23	Steel Fiber Reinforced Concrete beams under combined Torsion-Bending- Shear:	Dr S R Parekar	2010	38(1) (2010)31-38,2010	38(1) (2010)31-38,2010	Journal of Civil Engineering (IEB),
24	Steel fiber reinforced concrete beams under combined torsion-bending:	Dr S R Parekar	2010	(Special Issue), Vol. 03, No.2, 2010	(Special Issue), Vol. 03, No.2, 2010	International journal of Earth Science and Engineering ,
25	Steel fiber reinforced concrete beams without reinforcement under combined torsion - bending- shear:	Dr S R Parekar	2009	Vol 1, No. 6 , May 2009.	Vol 1, No. 6 , May 2009.	International journal of recent trends in Engineering,
26	Steel fiber reinforced concrete beams under combined torsion-bending-shear:	Dr S R Parekar	2010	ref. no. 320 (28/B)/2010/NRI	ref. no. 320 (28/B)/2010/NRI	Journal of Structural Engineering, Chennai SERC Chennai, vide
27	Steel fiber reinforced concrete beams under combined torsion-shear:	Dr S R Parekar	2010	Civil Engineering and Concrete Review 2010	Civil Engineering and Concrete Review 2010	Civil Engineering and Concrete Review 2010

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
International Conference (08)						
01	Wind analysis of High rise building using computational fluid mechanics:	S R Parekar	2019	International conference on recent trends and innovations in Civil Engineering. 26-28 Sept 2019		International conference on recent trends and innovations in Civil Engineering.
02	Seismic analysis of step back building resting on sloping ground considering different types of bracing system:	S R Parekar	2019	Two days national conference SCOE, 27-28 Feb 2019.	-	Two days national conference SCOE, 27-28 Feb 2019.
03	Comparison of Reinforced concrete and Prestressed Concrete Components of Water Treatment Plant :	S R Parekar	2016	ACESC 2016	-	ACESC 2016
04	Design of Components of Water Treatment Plant Using Prestressed Concrete :	S R Parekar	2016	CYNOSURE 2016	-	CYNOSURE 2016
05	Statistical analysis of steel fiber reinforced concrete beams under pure torsion:	S R Parekar	2011	i-Cost International Conference on Sunrise Technology, Dhule, 2011	-	i-Cost International Conference on Sunrise Technology, Dhule, 2011
06	Steel fiber reinforced concrete beams undertorsion-shear:	S R Parekar	2010	iNUCONE 2010, Nirma University	-	Nirma University

07	An experimental study of SFRC T-balanced Beams under pure torsion :	S R Parekar	2010	Proceedings of Structural Engineering Convention (SEC 2010)	-	Proceedings of Structural Engineering Convention (SEC 2010)
08	An experimental study of Steel Fiber Reinforced Concrete T- Beams under pure torsion:	S R Parekar	2010	International Conference on Innovative World of Structural Engineering, Aurangabad, 2010	-	International Conference on Innovative World of Structural Engineering, Aurangabad, 2010

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	15	56

Books Published

S.No	Title	Name of the Publisher
1	A text book of Engineering Mechanics, NiraliPrakashan, Pune University	Nirali Prakashan
2	A text book of Structural Analysis I, NiraliPrakashan, Pune University	Nirali Prakashan
3	A text book of Structural Analysis II, NiraliPrakashan, Pune University	Nirali Prakashan
4	A text book of Structural Mechanics II, NiraliPrakashan, Shiwaji University	Nirali Prakashan
5	A text book of Theory of Structures I, NiraliPrakashan, North Maharashtra University	Nirali Prakashan
6	A text book of Structural Design III, NiraliPrakashan, Pune University	Nirali Prakashan

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

S.No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
01	Earthquake Engineering and Vibration Control	FDP	One week	National	ATAL
02	Workshop on ANN and its Applications in Civil Engineering	Workshop	25 th March 2022	University	AISSMS COE Pune
03	Five days Student Development Program for “SE Civil (specially for Diploma students)” on	SDP	01st Feb to 07th Feb 2020	Institute	AISSMS COE Pune

04	Six days Student Development Program on “GATE examination Coaching with Tips and Tricks”	SDP	25th Jan to 30th Jan 2020	University	AISSMS COE Pune
05	Organized One day FDP on “Recent advancement in Concrete Technology”	FDP	9th Jan 2020	State	AISSMS COE Pune
06	Organized Three day workshop for ‘Online Content Delivery for B.E. Civil’	Workshop	14th to 16th July 2020.	University	AISSMS COE Pune in association with SPPU
07	One day workshop on “New trends in Transportation & Environmental Engineering”	Workshop	20th May 2018	National	AISSMS COE Pune
08	One day workshop on “ <i>Water management in India</i> ”	Workshop	29th May 2017.	International	AISSMS COE Pune
09	Two days Post Graduate Conference 2016 (PGCON 16) for M E Civil second year students	Conference	09th and 10th June 2016	University	AISSMS COE Pune in association with SPPU
10	Organized One day workshop on “ <i>Drafting of B. E. (Civil Engineering) Syllabi</i> ”	Workshop	10th June 2015	University	AISSMS COE Pune in association with SPPU

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
ISTE	National	Life Membership	LM 27862
Institute of Engineers (India)	National	Life Membership	1231266
IWWA	National	Life membership	LM10247
SESI	National	Life membership	LM/2509/2021

Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration (Days)	Organizer	Sponsoring Agency
01	A roadmap for researchers	FDP	05	Digi Skill Development	Digi Skill Development
02	Innovative teaching learning practices for engineering education	FDP	05	JES's ND COE, Yeola	JES's ND COE, Yeola
03	Strategies to enhance Industry Academia Linkages	FDP	05	RMD College of Engineering	RMD College of Engineering
04	Earthquake response and vibration control of lifeline structures	FDP	05	COEP, Pune	COEP, Pune
05	Evolution of construction industry to address infrastructural challenges	FDP	01	AISSMS COE	AISSMS COE
06	Workshop for Drafting of TE Civil 2019 Pattern Syllabus	FDP	03	AISSMS COE	AISSMS COE
07	Geotechnical case studies of infrastructural projects	FDP	01	AISSMS COE	AISSMS COE
08	Outcome Based Education with Assessment and	STTP	05	SAHRDAYA COE, Kodakara	SAHRDAYA COE, Kodakara
09	Introduction to IS 1893-2016	FDP	05	NITTR Kolkatta	NITTR Kolkatta
10	Online Teaching Syllabus of T.E. Civil - 2015 pattern	FDP	03	Dr V V Patil, COE, Ahmednagar	Dr V V Patil, COE, Ahmednagar
11	Syllabus Orientation Workshop for S.E. Civil (2019 Pat)	FDP	05	SCOE, Pune	SCOE, Pune
12	Aspects of New Era of Transportation	Workshop	02	DYPIET, Pune	DYPIET, Pune
13	Advanced Teaching Tools, Techniques & Methodology for Outcome Based Education	FDP	05	AISSMS COE	AISSMS COE
14	A smart and Sustainable World in Concrete Structures	STTP	05	AISSMS COE	AISSMS COE
15	Glimpses of concrete	STTP	05	SAE, Kondhwa	SAE, Kondhwa
16	Evolution from offline to	FDP	05	SPD College, Thane	SPD College, Thane
17	Recent Trends in Civil Engineering Construction	Workshop	02	RSCOE, Pune	RSCOE, Pune
18	Promoting Quality Culture in Technical Institution	FDP	05	AISSMS COE	AISSMS COE

19	Advances in Civil Engineering	FDP	05	NIT, Nagpur	NIT, Nagpur
20	Introduction to Finite element analysis using FEAtools	FDP	02	APCOER, Pune	APCOER, Pune
21	“Outcome based education: Astep towards excellence”	FDP	05	GCOE, Karad	GCOE, Karad
22	Open foam	FDP	05	AISSMS COE (Spoken Tutorials)	AISSMS COE (Spoken Tutorials)
23	Moodle	FDP	05	AISSMS COE (Spoken Tutorials)	AISSMS COE (Spoken Tutorials)
24	Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment	FDP	06	AISSMS COE	AISSMS COE
25	Water Energy Conservation	Workshop	01	AISSMS COE	AISSMS COE
26	Design of PT Slabs and	Workshop	01	SCOE	SCOE
27	Structural Design & Analysis using STADD Pro	FDP	01	PICT, Pune	PICT, Pune
28	Water Management in India	Workshop	01	AISSMS COE	AISSMS COE
29	ASCE summit	Workshop	01	DYPIET, Pune	DYPIET, Pune
30	Syllabus revision of Post	Workshop	01	MIT, Pune	MIT, Pune
31	Workshop on revision of Pre-PhD Coursework	Workshop	01	BVCOE, Pune	BVCOE, Pune
32	Framing of syllabus of B TECH (VII & VIII Sem)	Workshop	01	BVCOE, Pune	BVCOE, Pune
33	Revision of TE CIVIL Syllabus CBCS 2015 Pattern	Workshop	01	AVCOE, S’ner	AVCOE, S’ner
34	Structural Dynamics and Earthquake Resistant Design	Workshop	02	MIT, Pune	MIT, Pune
35	Revision of SE CIVIL Syllabus CBCS 2015 Pattern	Workshop	01	VIIT, Pune	VIIT, Pune
36	Introduction to Structural Engineering	FDP	02week	COEP, Pune	COEP, Pune
37	Workshop on Syllabus revision sem V and VI	Workshop	01	BVCOE, Pune	BVCOE, Pune
38	Latex	Workshop	02	AISSMS COE, Pune	AISSMS COE, Pune
39	B.E. Civil Syllabus drafting	Workshop	01	AISSMS COE, Pune	AISSMS COE, Pune
40	FDP on Structural Analysis II	FDP	01week	SITS,Pune	SITS,Pune
41	FDP on Strength of Material	FDP	01week	SITS,Pune	SITS,Pune
42	Neural Network Design	FDP	02week	SCOE,Pune	SCOE,Pune
43	How to convert research into	Workshop	01	COEP,Pune	COEP,Pune
44	iCost 2011	Conference	03	BSDCOE,Dhule	BSDCOE,Dhule
45	Mission 10X	Workshop	01week	SAE,Pune	SAE,Pune
46	High Impact Teaching Skills	Workshop	02	SAE,Pune	SAE,Pune
47	Drafting of B.E. Syllabus	Workshop	01	VIIT, Pune	VIIT, Pune
48	ICIWSE 2010	Conference	03	GCOE, A’Bad	GCOE, A’Bad

49	Advances in concrete, structural& Geotechnical Engg.	Conference	03	BITS, Pilani	BITS, Pilani
50	Online and Theory Examinationon Engg. Mechanics	Workshop	01	VIIT, Pune	VIIT, Pune
51	ICETE 2010	Conference	02	Jaysingpur	Jaysingpur
52	Nucone 2009	Conference	03	Ahmedabad	Ahmedabad
53	Advances in concrete, structural& Geotechnical Engg.	Conference	03	BITS, Pilani	BITS, Pilani

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
01	Head of Department during 2014 – 2019
02	Institute Academic Coordinator 2019 – 2022
03	Autonomy Coordinator 2022 -
04	ISO Coordinator 2023

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

Dr. Suresh R Parekar

(Name with Signature)