

Sanjivani College of Engineering, Kopergaon

(An Autonomous Institute) Affiliated to Savitribai Phule Pune University.

At Sahajanandnagar, Post Shingnapur-423603, Ta.; Kopergaon, Dist.: Ahmednagar (MS)

Approved by AICTE, ISO 9001-2015 Certified, Accredited by NBA, Accredited 'A' Grade by NAAC,

Website: www.sanjivanicoe.org.in, Email: principalcoe@sanjivani.org.in,

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Department of Structural Engineering

Total number of Publications in Scopus / SCI index journals-

Sr No.	Author	Title of Paper	Indexing
2020-21			
1	Sayyad A.S. and Ghugal Y.M.	Bending, buckling and vibration analysis of functionally graded nanobeams using an inverse trigonometric beam theory <i>International journal of Nano Dimension</i> , Vol. 12(2), pp. 164-174, 2021.	Web of Science, ESCI
2	Sayyad A.S. and Ghugal Y.M.	A unified five degree of freedom theory for the bending analysis of softcore and hardcore functionally graded sandwich beams and plates <i>Journal of Sandwich Structures and Materials</i> , Vol. 23(2), pp. 473-506, 2021.	SCI
3	Sayyad A.S. and Ghugal Y.M.	Interlaminar stress analysis of orthotropic laminated doubly-curved shells on rectangular planform under concentrated force" <i>ASCE Journal of Aerospace Engineering</i> , Vol. 34(2), pp. 04020116, 2021.	SCI
4	Sayyad A.S. and Ghumare S.M.	Thermomechanical bending analysis of FG sandwich plates using a Quasi-Three-Dimensional theory <i>ASCE Journal of Aerospace Engineering</i> , Vol. 34(3), pp. 04021007, 2021.	SCI
5	Sayyad A.S. and Ghugal Y.M.	On the buckling analysis of functionally graded sandwich beams using a unified beam theory <i>Journal of Computational Applied Mechanics</i> , Vol. 51(2), pp. 443-453, 2020.	Web of Science, ESCI
6	Sayyad A.S. and Avhad P.V..	On the static deformation of FG sandwich beams curved in elevation using a new higher order beam theory <i>Sadhana Journal</i> , Vol. 45(1), pp. 1-16, 2020.	Web of Science, ESCI
7	Shinde B.M. and Sayyad A.S	A new higher-order theory for the static and dynamic response of sandwich FG plates <i>Journal of Computational Applied Mechanics</i> , DOI: 0.22059/JCAMECH.2020.313152.569, 2020.	

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2021-22			
8	Sayyad A.S. and Avhad P V	A new higher order shear and normal deformation theory for the free vibration analysis of sandwich curved beams <i>Composite Structures</i> , Vol. 280, pp. 114948, 2022	SCI
9	Sayyad A.S. and Avhad P V	On the deformation of laminated composite and sandwich curved beams <i>Curved and Layered Structures</i> , Vol.9, pp. 1-12, 2022	Web of Science- ESCI
10	Sayyad A.S. and Ghugal Y.M.	Static and free vibration analysis of doubly-curved functionally graded material shells <i>Composite Structures</i> , Vol. 269, pp. 114045, 2021	SCI
11	Shinde B.M. and Sayyad A.S	A new higher order shear and normal deformation theory for FGM sandwich shells <i>Composite Structures</i> , Vol. 280, pp. 114865, 2022	SCI
12	Shinde B.M. and Sayyad A.S	A New Higher-Order Shear and Normal Deformation Theory for the Free Vibration Analysis of Laminated Shells <i>Mechanics of Advanced Composite Structures</i> , Vol. 9(1), pp. 89-104, 2022. DOI: https://dx.doi.org/10.22075/mac.2022.22741.1327	Scopus
13	S.M. Gunjal, B. Kondraivendchan	High temperature impact on calcined clay-limestone cement concrete (LC3), <i>Materials Today:Proceedings</i> . (Article in press)	Scopus
14	Jape A S, Gayake S B, Dhake P D	Structural Behavior of beam column joint retrofitted using carbon fiber reinforced polymer, <i>Journal of Materials and Engineering Structures</i> , Vol. 8, pp. 47-59, 2021.	ESCI
15	Sayyad A. S., Ghugal Y. M., Girme S. M.	Thermoelastic bending analysis of laminated composite shells using a trigonometric shear and normal deformation theory, <i>Journal of Thermal Stresses</i> , 2022. DOI: https://doi.org/10.1080/01495739.2022.2030836	Scopus
16	Sayyad A. S., Betkar R. B.	Design of Pile Foundation for distillation column, <i>IOP Conference Series: Material Science and Engineering</i> , pp. 1236, 2022, DOI: 10.1088/1757-	Scopus

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		899X/1236/1/012007	
17	Sayyad A. S., Ghugal Y. M., Kant T.	Flexural mode, thickness-shear mode and thickness-twist mode frequencies of laminated composite shells of double curvature, <i>Composite Structures</i> , Vol. 291, pp.-115577, 2022.	SCI
18	Sayyad A. S. , Avhad P. V., Hadji L.	On the static deformation and frequency analysis of functionally graded porous circular beams, <i>Forces in Mechanics</i> , Vol. 7, pp.-100093, 2022.	Scopus
19	Sayyad A. S., Avhad P. V.	Higher-order model for the thermal analysis of laminated composite, sandwich, and functionally graded curved beams, <i>Journal of Thermal Stresses</i> , Vol. 45 (5), PP.- 382-400, 2022.	Scopus
20	Jape A. S., Sayyad A. S.	Bending of functionally graded nanobeams using hyperbolic nonlocal theory, <i>IOP Conference Series: Material Science and Engineering</i> , pp. 1236, 2022, DOI: 10.1088/1757-899X/1236/1/012008	Scopus
21	Naik N.S., Sayyad A. S.	Effect of thickness stretching on the natural frequencies of layered composite beams, <i>IOP Conference Series: Material Science and Engineering</i> , pp. 1236, 2022, DOI: 10.1088/1757-899X/1236/1/012009	Scopus
22	Sayyad A. S., Ghugal Y. M.	A unified formulation of various shell theories for the analysis of laminated composite spherical shells, <i>Vietnam Journal of Mechanics, Vietnam Academy of Science and Technology</i> , 2022, DOI: https://doi.org/10.15625/0866-7136/15715 .	SCI
23	Gunjal S. M., Kondraivendhan B.	Usage of waste marble powder for the manufacture of limestone calcinated clay cement (LCCC), <i>Sustainable Building Materials and Construction. Lecture notes in Civil Engineering</i> , Vol. 222, pp.-357-363, 2022, DOI: https://doi.org/10.1007/978-981-16-8496-8_44	Scopus
24	Gunjal S. M., Kondraivendhan B.	Effect of high temperature on the calcinated clay-limestone cement concrete (LC ³) <i>Sustainable Building Materials and Construction. Lecture notes in Civil Engineering</i> , Vol. 222, pp.-1-7, 2022, DOI: https://doi.org/10.1007/978-981-16-8496-8_1	Scopus

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25	Gunjal S. M., Kondraivendhan B.	Effect of elevated temperature on the calcinated clay-limestone and marble stone blended cement concrete <i>Australian Journal of Civil Engineering</i> , 2022, DOI: https://doi.org/10.1080/14488353.2022.2073048	Scopus
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National/International conference publications of Faculty-

Sr No.	Author	Title of Paper	Conference details
2021-22			
1	Jape A S and Sayyad A.S	Bending of Functionally Graded nanobeams using Hyperbolic Nonlocal Theory	1 st International Online Conference on Sustainable Development in Civil and Electrical Engineering. (SDCEE-2021) on 17-19 Dec. 2021
2	Naik N S and Sayyad A.S	Effect of Thickness stretching on the Natural Frequencies of layered composite beams.	1 st International Online Conference on Sustainable Development in Civil and Electrical Engineering. (SDCEE-2021) on 17-19 Dec. 2021
3	Shinde B M and Sayyad A S	Bending analysis of laminated composite cylindrical shell using fifth order shear deformation theory	1 day US2020 Partnership Workshop on FRP Materials and Sustainable Structures (March 4, 2022)at BITS Pillani
4	Yawale A D and Patankar S V	Performance of GGBS and SBA in compressed stabilized earth blocks	1 day US2020 Partnership Workshop on FRP Materials and Sustainable Structures (March 4, 2022)at BITS Pillani

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Number of books and chapters in edited volumes / books published per teacher during the year:

Name of the Teacher/Author	Title of the paper	Title of the Book/Proceedings of the Conference	Name of the publisher	National / International	ISBN	Month and Year of publication	Pages (from - to)
2020-2021							
Dr. A S Sayyad	Free Vibration Analysis of Laminated Curved Beams Using Fifth-Order Shear and Normal Deformation Theory	Advances in Materials Processing and Manufacturing Applications (Lecture notes in mechanical engineering)	Springer	International	978-981-16-0908-4	June 2021	319-326
2021-22							
Prof. S. M. Gunjal	Usage of waste marble powder for the manufacture of limestone calcinated clay cement (LCCC),	Sustainable Building Materials and Construction. Lecture notes in Civil Engineering,	Springer	International	978-981-16-8495-1		
	Effect of high temperature on the calcinated clay-limestone cement concrete (LC ³)	Sustainable Building Materials and Construction. Lecture notes in Civil Engineering,	Springer	International	978-981-16-8495-1		

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STTP/ FDP/ Workshop attended by Faculty-

Sr. No.	Name of Faculty	STTP/FDP/Workshop	Organized By	Duration	Date
1	Dr A S Sayyad	National Education Policy 2020 with Special reference to HEI's	SCOE Kopergaon	1 day	(26/03/2021) 1day
2	Dr N S Naik	Scholarly Journals: The basics	Center for publication ethics of SPPU Pune	1 day	(07/04/2021)
3		Role of National Education Policy in Nation Building	Vidarbha Institute of technology, Nagpur under TEQVIP-III	1 day	(26/03/2021)
4		Improving Excellence in Teaching	AICTE-ISTE and Anatarao Pawar College of Engg and Research, Parvati, Pune	1 week	(24/04/2021 to 30/04/2021)
5		Consultancy in Civil Engineering: Opportunities and Challenges	MVP's KBT college of Engineering, SPPU and ACCE	5 days	(10/05/2021 to 14/05/2021)
6		Universal Human Values in Technical Education	Sanjivani College of Engineering, Kopergaon, IQAC Cell	6 days	22-27 June 2021
7		Universal Human Values in Technical Education	AICTE	6 days	(13/09/2021 to 17/09/2021)
8	B M Shinde	Evolution of Construction Industry to address Infrastructure Challenges	AISSMS COE Pune, Superior Construction and Ultra Tech Cement	1 day	(23/04/2021)
9		Consultancy in Civil Engineering: Opportunities and Challenges	MVP's KBT college of Engineering, SPPU and ACCE	5 days	(10/05/2021 to 14/05/2021)
10		Structural Health Monitoring and Retrofitting Rehabilitation of structures	College of Engineering and Management Amravati	1 week	(10/05/2021 to 15/05/2021)
11		National Education Policy 2020 with Special reference to HEI's	SCOE Kopergaon	1 day	(26/03/2021) 1day
12		Wind and Earthquake Resistant Design	Prof. Ram Meghe Institute of Technology and Research Badnera	1 week	(19/12/2020 to 24/12/2020)
13		Universal Human Values in	Sanjivani College	6 days	22-27 June

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		Technical Education	of Engineering, Kopergaon, IQAC Cell		2021
2021-2022					
1	Dr. A. S. Sayyad	Strategies to improve R and D activities in Engineering Institutes	Structural Engg. Dept. SCOE Kopergaon	6 days	(27/09/21 to 01/10/21)
2	Dr. A. S. Sayyad	Outcome Based Curriculum in Engineering Education	NITTTR Chennai	3 days	(23/05/22 to 25/05/22)
2	Dr. N. S. Naik	Strategies to improve R and D activities in Engineering Institutes	Structural Engg. Dept. SCOE Kopergaon	6 days	(27/09/21 to 01/10/21)
3	Dr. N. S. Naik	Universal Human Values in Technical Education,	AICTE	5 days	(23/05/22 to 25/05/22)
4	Dr. N. S. Naik	Outcome Based Curriculum in Engineering Education	NITTTR Chennai	3 days	(23/05/22 to 25/05/22)
5	Prof. S. M. Gunjal	Strategies to improve R and D activities in Engineering Institutes	Structural Engg. Dept. SCOE Kopergaon	6 days	(27/09/21 to 01/10/21)
6	Prof. S. M. Gunjal	Outcome Based Curriculum in Engineering Education	NITTTR Chennai	3 days	(23/05/22 to 25/05/22)
7	Prof. S. M. Gunjal	Deterioration, Damage assessment and strengthening of structures (DDASS)	Department of Civil Engineering, SVNIT, Gujarat	5 days	
8	Dr. B. M. Shinde	Strategies to improve R and D activities in Engineering Institutes	Structural Engg. Dept. SCOE Kopergaon	6 days	(27/09/21 to 01/10/21)
9	Dr. B. M. Shinde	Advances in Concrete Construction and Techniques	Thakare COE Nasik	5 days	(10/08/21 to 15/08/21)
10	Dr. B. M. Shinde	Outcome Based Curriculum in Engineering Education	NITTTR Chennai	3 days	(23/05/22 to 25/05/22)
11	Dr. B. M. Shinde	Importance of soil investigations and non-destructive techniques	MIT Aurangabad	5 days	(08/03/22 to 12/03/22)
12	Prof. P. N. Shinde	Strategies to improve R and D activities in Engineering Institutes	Structural Engg. Dept. SCOE Kopergaon	6 days	(27/09/21 to 01/10/21)
13	Prof. P. N. Shinde	Outcome Based Curriculum in	NITTTR Chennai	3 days	(23/05/22)

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	Shinde	Engineering Education			to 25/05/22)
14	Prof. S. S. Kolapkar	Strategies to improve R and D activities in Engineering Institutes	Structural Engg. Dept. SCOE Kopargaon	6 days	(27/09/21 to 01/10/21)
15	Prof. S. S. Kolapkar	Outcome Based Curriculum in Engineering Education	NITTTR Chennai	3 days	(23/05/22) to 25/05/22)
16	Prof. A. S. Jape	Strategies to improve R and D activities in Engineering Institutes	Structural Engg. Dept.SCOE Kopargaon	6 days	(27/09/21 to 01/10/21)
17	Prof. A. S. Jape	Advances in Concrete Construction and Techniques	Thakare COE Nasik	5 days	(10/08/21 to 15/08/21)
18	Prof. A. S. Jape	Outcome Based Curriculum in Engineering Education	NITTTR Chennai	3 days	(23/05/22) to 25/05/22)
19	Prof. A. D. Yawale	Strategies to improve R and D activities in Engineering Institutes	Structural Engg. Dept.SCOE Kopargaon	6 days	(27/09/21 to 01/10/21)
20	Prof. A. D. Yawale	Outcome Based Curriculum in Engineering Education	NITTTR Chennai	3 days	(23/05/22) to 25/05/22)
21	Prof. A. D. Yawale	Importance of soil investigations and non-destructive techniques	MIT Aurangabad	5 days	(08/03/22) to 12/03/22)
22	Prof. R. A. Sayyad	Outcome Based Curriculum in Engineering Education	NITTTR Chennai	3 days	(23/05/22) to 25/05/22)
23	R. B. Gaikwad	Testing of Concrete	Sinhgad Institures	2 days	15/02/22 to 16/02/22)

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Faculty Awards

A) Academic Awards

- **Dr. A. S. Sayyad:** Engineering Achievement Award (Institute of Engineers, India, Ahmednagar Local Chapter, 2017)
- **Mrs. Shinde B. M.:** Lady Engineer Award (Institute of Engineers, India, Ahmednagar Local Chapter, 2017)

B) Research Awards

- **Dr. A. S. Sayyad:** Outstanding Reviewer Award by Elsevier Science for Composite Part-B. Journal (2017)
- **Dr. A. S. Sayyad:** Outstanding Reviewer Award by Elsevier Science for Applied Acoustic Journal (2017)
- **Dr. A. S. Sayyad:** Outstanding Reviewer Award by Elsevier Science for International Journal of Mechanical Sciences (2018)
- **Er. Gunjal S M:** Best paper award in 35th Indian Engineering congress