

SRES', Sanjivani College of Engineering, Kopargaon
(An Autonomous Institute affiliated to SPPU, Pune)

Staff Profile

Personal Information			
Name of Teaching Staff: Dr. Ghumare Shantaram M.			
Designation: Associate Professor			
Department : Civil Engineering			
Date of joining : 02/08/2007			
E Mail ID :		ghumareshtantaramcivil@sanjivani.org.in	
Contact No:		9923104011	
Education Details			
Qualification	Specialization with Class or Grade	University	Year
UG	B.E.Civil (Distinction)	SPPU PUNE	July 2001
PG	M. E (Structure) (Distinction)	Dr.BAMU, Aurangabad	Aug. 2007
Ph.D	Civil Engg. (Passed)	SPPU, Pune	Oct. 2020
Total experience in years:			
Teaching:		24.8 Yrs	
Industry:		01 Year	
Research and Publications			
1. Ghumare S. M. and Sayyad A. S. “Non-linear hygro-thermo-mechanical analysis of functionally graded plates using a fifth-order plate theory” <i>Arabian Journal for Science and Engineering</i> , Vol. 44, Issue-10 pp. 8727-8745. DOI: https://dx.doi.org/10.1590/1679-78253972 . (Indexing- Web of Science and Scopus, Springer).			
2. Ghumare S. M. and Sayyad A. S. “Analysis of functionally graded plates resting on elastic foundation and subjected to non-linear hygro-thermo-mechanical loading” <i>JMST</i>			

- Advances*, Vol.1, pp. 233-248, 2019. (**Springer**) DOI: <https://doi.org/10.1007/s42791-019-00024-1>.
3. Ghumare S. M. and Sayyad A. S. “A new fifth-order shear and normal deformation theory for static bending and elastic buckling of P-FGM beams” *Latin American Journal of Solids of Structures*, Vol.14, 2017, Issue 11, pp.1893-1911, DOI: <https://doi.org/10.1007/s13369-019-03894-8>. (**Impact Factor 1.114, Indexing- Web of Science, Scopus**).
 4. Ghumare S. M. and Sayyad A. S. “A new Quasi 3D Model for Functionally Graded Plates” *Journal of Applied and Computational Mechanics*, Vol. 5, Issue-2, pp. 367-380. DOI:10.22055/JACM.2018.26739.1353. (**Impact Factor 1.31, Indexing- ESCI, Scopus**).
 5. Sayyad A. S. and Ghumare S. M. “Thermo-mechanical bending analysis of sandwich plates using a quasi-three-dimensional theory” *ASCE Journal of Aerospace Engineering*, Vol. 34, Issue 3, 2021, pp. 04021007-040210019 DOI: DOI: 10.1061/(ASCE)AS.1943-5525.0001249. **Indexing: SCI and Scopus**
 6. Ghumare S. M. and Sayyad A. S. “Analytical solution using fifth order shear and normal deformation theory for FG plates resting on elastic foundation subjected to hygro-thermo-mechanical loading” *Materials Today Journal*, Vol. 21, 2020, pp.1089-1093, *Elsevier, Indexing-Scopus*.
 7. Ghumare S. M. and Sayyad A. S. “Bending response of FG beams under non-linear hygro-thermo-mechanical loading using fifth order theory” *Applied and Computational Mechanics*, Jun. 2020. **Scopus**.
 8. Ghumare S.M. and Sayyad A.S “Cylindrical Bending of Laminated Composite Plates Using Refined Shear Deformation Theory” *Journal of Applied and Experimental Mechanics, Chrome Publishing*, Volume 1, Issue 1, pp.10-17, 2015.
 9. Sayyad A.S and Ghumare S.M. “A refined shear deformation theory for bending analysis of isotropic and orthotropic plates under various loading conditions.” *Journal of Materials and Engineering Structures*, Issue 2, Pg.No.13-15, 2015.
 10. Ghumare S.M. and Sayyad A.S “Cylindrical bending of orthotropic plate strip based on n^{th} –order plate theory.” *Journal of Materials and Engineering Structures*, Issue 1, pp.47-58, 2014.

11. Sayyad A.S and Ghumare S.M. "Cylindrical bending of composite plates using refined plate theory." *International Journal of Advanced Technology in Civil Engineering*, Volume-2, Issue-I, 2013.
12. Ghumare S.M. and Sayyad A.S "Assessment of refined beam theories for the bending analysis of composite beams." *International Journal of Advanced Technology in Civil Engineering*, Volume-2, Issue-I, 2013.
13. Naik N.S. and Ghumare S.M. "Behavior of brick masonry prism with wire mesh confinement under compression" *Journal of Concrete Technology*, Volume 1(1), Pg.No.6-13, 2015.

Papers Presented in Conferences:

1. Ghumare S. M. and Sayyad A. S. "Bending of FG plates using fifth-order shear and normal deformation theory" *International Conference, Feb.2018, (ACSGE-2018, Feb.26-28,2018)*, Ch.44, pp.229-233. **Published as a Book Chapter, BITS Pilan.(Raj)**
2. Ghumare S. M. and Sayyad A. S. "Analytical solution using fifth order shear and normal deformation theory for FG plates resting on elastic foundation subjected to hygro-thermo-mechanical loading" *International Conference on Recent Advances in Composite Materials* (ICRACM-2009), IIT, Varanasi, 25-28th Feb.2019.
3. Ghumare S. M. and Sayyad A. S. "Strength Properties of concrete using lathe waste steel fibers" at *BVM COE, Anand, Gujrat 12th Aug. 2010, International Conference at Anand.*
4. Ghumare S. M. and Sayyad A. S. "Thermal Analysis of composite plates using Two Variable Refined Plate Theory" *International Journal of Advanced Technology in Civil Engineering*, Vol. 2, Issue-I,2013, ISBN No.978-93-5107-222-5.
5. Ghumare S. M. and Sayyad A. S. "Cylindrical bending of composite plates using refined plate theory." *International conference at SNJB, COE, and Chandwad* held on 22-24 Feb 2013' ISBN No: 978-81-926080-0-6.
6. Ghumare S. M. and Sayyad A. S. "Assessment of refined beam theories for the bending analysis of composite beams." *International conference at SNJB, COE, and Chandwad* held on 22-24, Feb 2013' ISBN No: 978-81-926080-0-6.

Research Profile URL			
Google Scholar	https://scholar.google.com/citations?user=oR8dbLoAAAJ		
Scopus			
Orcid			
Other Research Details			
Ph D Guide ? Give field & University:	No		
Ph Ds/ Projects Guided:	20 Projects at UG Level and 65 seminar at T.E.Level		
Books Published	Nil		
IPRs/Patents	Nil		
Professional Memberships:	LM ISTE		
Interaction with professional institutions	Nil		
Consultancy Activities			
Duration	Title of Activity	Issued Organization	Amount
Since 2012	Consultancy for Transportation Laboratory	MSRDC, KMPPL, Shirdi Sanstha, Nyati constructions, Builders and Road contractors from nearby locality	40 to 50 thousands per year
Grants fetched			
Duration	Title	Issued Organization	Amount
2016-18	Investigation on deep beams (Co-PI)	SPPU, Pune	1.4 lakhs
Awards			
Nil			

FACULTY DEVELOPMENT PROGRAMMES ATTENDED				
Name of the FDP / Workshop	Organization	Duration	Month-Year	
NBA Accreditation and Teaching-Learning in Engineering (NATE)	IISc, Bangalore	12 Weeks	Jan-April 2021	
Repair and Rehabilitation of Structures.	RVR & JC College, Guntur (A.P.)	One Week	16 th - 21 st Nov. 2020.	
Consultancy in Civil Engineering: Opportunities and Challenges	KBT, COE, Nashik,	One Week	10 th - 14 th May. 2021.	
Wind and Earthquake resistant designs	RMITR Engineering College, Badnera (Amravati)	One Week	19 th - 24 st Dec. 2020	
Present Scenario of Treatment of Waste in India: Challenges, Issues and New Techniques of Treatment	Sanjivani COE Kopergaon,	One Week	13 th - 25 th Nov. 2017	
Engineering Mechanics	IIT, Mumbai	One Week	26 th Nov. to 6 th Dec 2013.	
Design of Steel structure	IIT Roorke	12 Weeks	Feb-April 2018	
FACULTY DEVELOPMENT PROGRAMMES ORGANIZED				
Name of the FDP / Workshop	Organization	Duration	Month-Year	Capacity
INVITED LECTURES IN CONFERENCE/SEMINAR				
Title of Lecture/ Academic Session	Title of Conference/ Seminar etc.	Organized By		
Composite Concrete	Advances in Concrete construction and Techniques	K.B.T.COE, Nasik Date: 10/08/2021		
Taxonomy and Instructions	One Week FDP one NBA SAR	SKBPP Polytechnic Kopergaon Date: 18/10/2021		

OTHER Professional URLs

Personal Website	Nil
Linked In Profile	Dr. Shantaram M. Ghumare
GitHub URL	
YouTube Channel	<ol style="list-style-type: none"> 1. https://www.youtube.com/channel/UCRwonakFU3bdbLWjBanT17w 2. https://www.youtube.com/channel/UC448n1XR1QIEc1bwjzy-SHw
Other	

Any Other: