


# Faculty Profile

General					
Name	Dr JAYASHANKAR BABU B.S				
Designation,	Professor and Head				
Department & Affiliated Institution	Department of Civil Engineering, P.E.S College of Engineering, Mandya – 571 401				
Research Area	Structures				
Contact Number	+91 9448106566				
Email ID	jsbabupesce@gmail.com				
Academic Profile					
Educational Qualification					
Course	College	University	Year	% ge	Class
Ph. D	M.C.E, Hassan	VTU Belgaum	2015	Awarded	
M.E	I.I.T Roorkee	I.I.T Roorkee	1994		First Class
B.E.	P.E.S.C.E Mandya	Mysore	1985		First Class
Professional Experience					
Organization & dept.	Designation	Period	Total of Experience		
P.E.S.C.E Mandya	Associate Professor	1986-Till Date	34 years		
Report of Work					
Teaching (details of courses taught)	Analysis of structures-II, Matrix method of structural analysis, Computational structural mechanics, Finite element method, Stability Analysis of structures, Design of steel structures				
Research Guidance (Ph.D /M.Sc Engg Student awarded & pursuing )	Awarded		Pursuing		
	Ph.D	M.Sc Engg	Ph.D	M.Sc Engg	
		-	4	-	
Sponsored Research (List of Projects taken up/completed and funds receiver & funding sources)					
Publications					
Papers in Refereed Journal (No.)	National		International		
			27		
Papers at Conference (No.)	National		International		
	02		01		

## **List of Publications**

1. Jayashankarbabu, B.S., Karisiddappa., Tabassumaara., “On the Stability of Square Plate with Cutout”, Proceedings of the International Conference on Advances in Materials and Techniques in Civil Engineering, Coimbatore, India, 07-09 January 2010, pp.159-165.
2. Jayashankarbabu, B.S., Karisiddappa., Veena, H., “Vibration and Stability Behavior of Square Plate with Rectangular Cutout”, Proceedings of International Conference on Advances in Materials and Techniques in Civil Engineering, Coimbatore, India, 07-09 January 2010, pp.79-85.
3. Jayashankarbabu, B.S., and Karisiddappa., “Stability of Square Plate with Concentric cutout”, International Conference on Structural Engineering, Construction and Management , Dubai, UAE, 12-13 March 2014.
4. Jayashankarbabu, B.S., and Karisiddappa., “Stability Analysis of Thick Plate with Eccentric Cutout”, International journal of Emerging Technology and Advanced Engineering, 2013, Vol.3, No 8, pp.505-513.
5. Jayashankarbabu, B.S., and Karisiddappa., “Stability of Square Plate with Concentric cutout”, International Journal of Civil, Architectural Science and Engineering, 2014, Vol.8, No 3, pp.333-341.
6. Jayashankarbabu, B.S., Dr. Karisiddappa., “Stability of Simply Supported Square Plate with Concentric cutout”, International Journal of Modern Engineering Research, 2014, Vol.4, No 2, pp.15-22.
7. Anupama B. M., Jayashankarbabu, B.S., “Analysis of stiffened plate using FE Approach”, International Journal of Modern Engineering Research, 2014, Vol. 4, No.7, pp.7-12.
8. Shruthi H.G., Jayashankarbabu, B.S., “Analysis of Isotropic Perforated Stiffened Plate using FEM”, International Journal of Engineering Research and Applications, 2014, Vol. 4, No.8(2), pp.01-08.
9. Shruthi, Jayashankarbabu, B.S., “Seismic Vulnerability of existing RC Building using Pushover Analysis”, International Journal of Engineering Research and Technology, 2014, Vol. 3, Issue 12. Pp. 1038-1047.
10. Bharath D., Jayashankarbabu, B.S., “Reliability Analysis of Static Response of Structures with Irregularities”, International Research Journal of Engineering Technology”, 2015, Vol. 2, Issue 1, pp.01-05.
11. Dilip S., Jayashankarbabu, B.S., “A Comprehensive Investigation on Self- Compacting Concrete using Textile Sludge as Filler”, International Journal of Engineering Research and Applications, 2014, Vol. 4, No.8(2), pp.01-08.
12. Dilip S., Jayashankarbabu, B.S., “Feasibility Analysis of the use of Textile Sludge for the Production of Self Compacting Concrete”, International Journal of Engineering Research and Applications, 2014, Vol. 4, No.8(2), pp.01-08.
13. Srivathsa H.U., Jayashankarbabu, B.S., “Free Vibration Analysis of Stiffened Plate by Finite Element Approach”, International Journal of Engineering Research and Applications, 2014, Vol. 4, No.8(2), pp.01-08.
14. Srivathsa H.U., Jayashankarbabu, B.S., “Analysis of Stiffened Plate Subjected to Free Vibration by Finite Element Approach”, International Journal of Trend in Research and Development, 2016, Vol. 3, Issue 3.

15. Basavaraju Y.K.,Dr.B.S.Jayashankar Babu, "Seismic Performance of Multi Storey RC Frame Buildings With Soft Storey From Pushover Analysis",International Journal of Engineering Science and Computing,July 2016,Vol.6,Issue No.7.
16. Keerthan M.S.,Dr.B.S.Jayashankar Babu, "Seismic Performance Study of RC Frames With Mass Irregularity from Pushover Analysis",International Journal of Engineering Science and Computing,July 2016,Vol.6,Issue No.7.
17. Devikashree M. L,Dr.B.S.Jayashankar Babu, "A Study on effect of Eccentricity in RC Frame Structures",International Journal of Innovative Research in Science Engineering and Technology,June 2017,Vol.6,Issue No.6.
18. Vanitha J.C.,Dr.B.S.Jayashankar Babu, "Development of Design Tables for A-Frame Trusses as per IS 800-2007",International Research Journal of Engineering and Technology(IRJET),July 2017,Vol.4,Issue No.7.
19. Manoj Kumar M ,Dr.B.S.Jayashankar Babu, "To Study Performance of High Rise Building under Seismic Load with Rigid Frame,Core and Outrigger Systems",International Research Journal of Engineering and Technology(IRJET),April 2018,Vol.5,Issue No.4.
20. Shrinivas M.R, Dr.B.S.Jayashankar Babu, "To Study the Performance of High-Rise Building under Lateral Load with Bare Frame and Shear Wall with Openings",International Research Journal of Engineering and Technology(IRJET),May 2018,Vol.5,Issue No.5.
21. Manoj Kumar M ,Dr.B.S.Jayashankar Babu, "A Performance Study of High Rise Building under Lateral Load with Rigid Frame, Core and Outrigger Structural Systems",International Journal of Research in Engineering and Technology(IJRET),May 2018,Vol.7,Issue No.5.
22. Laxmi P S ,Dr.B.S.Jayashankar Babu,Dr N C Balaji,Chaithra G B "Influence of Bagasse Ash Replacement on Strength Properties of Cement Mortar",International Journal of Civil Engineering and Technology(IJCIET),May 2019,Vol.10,Issue No.5.
23. Laxmi P S ,Dr.B.S.Jayashankar Babu,Dr N C Balaji,Priyanka D K "Experimental Investigation on Utilization of Sugarcane Bagasse Ash as a Cementitious Material in Mortar",International Journal for Research in Applied Science & Engineering Technology (IJRASET),June 2019,Vol.7,Issue No.6.
24. Poornima B S ,Dr.B.S.Jayashankar Babu, "Comparative Study on Seismic Response of Regular and Irregular RC Framed Buildings with HDRB,LRB and FPS Base Isolation Systems",International Journal for Research in Applied Science & Engineering Technology (IJRASET),June 2019,Vol.7,Issue No.6.
25. Shilpa S ,Dr.B.S.Jayashankar Babu, "Evaluation of Seismic Performance of Multistoried R.C. Framed Floating Column Structures with Lateral Force Resisting Systems",International Journal for Research in Applied Science & Engineering Technology (IJRASET),June 2019,Vol.7,Issue No.6.
26. Rajeshwari M S , Dr B.S.Jayashankar Babu, "Study of Rigid Frame,Core and Outrigger Structural Systems under Variable Heights as per IS:1893-2016",International Journal for Research in Applied Science & Engineering Technology (IJRASET),July 2020,Vol.8,Issue No.7.
27. Dhananjaykumar J, Dr.B.S.Jayashankar Babu, "Analysis of Buckling Behavior of Concrete Filled Steel Tube Column using ANSYS",International Research Journal of Engineering and Technology(IRJET),July 2020,Vol.7,Issue No.7.

28. Santhosh J, Dr.B.S.Jayashankar Babu, "Seismic Performance of multi-storied R.C.Framed Structure with Corner Floating column using IS:1893-2016",International Research Journal of Engineering and Technology(IRJET),July 2020,Vol.7,Issue No.7.
29. Rajeshwari M S , Dr B.S.Jayashankar Babu, "Seismic Analysis of 20 Story Reinforced Concrete Structure under Core, Outrigger system and Belt-Truss", Journal ofEmerging Technologies and Innovative Research (JETIR),July 2020,Vol.7,Issue No.7.
30. Sachin A K, Dr.B.S.Jayashankar Babu, "Seismic Response of Fixed Base and Base Isolated R.C. Framed Building on Different Soil Conditions",International Research Journal of Engineering and Technology(IRJET),August 2020,Vol.7,Issue No.8.