

Faculty Information				
Personal Information :				
Name of the Faculty		Dr. Rathi Vijaykumar Rameshwar		
Designation	Principal	Department		Civil Engineering Dept
Email	vijay.rathi@pravara.in			

Qualification Details			
Sr. No.	Exam Passed	Board /University	Year of Passing
01	Ph.d	SVNIT Surat	2018
02	M.E (Structure)	Pune Board	2001
03	B.E Civil	Pune Board	1989
04	DCE	MSBTE	1984
05	SSC	Pune Board	1981

Work Experience		
Teaching Experience: 34	Industrial Experience: --	Total Experience: 34

Subject Taught till date
<ul style="list-style-type: none"> • HEN (Highway Engineering) • EAC (Estimating & Costing) • MAN (Management) • CMA (Construction Material) • CTE (Concrete Technology) • AME (Applied Mechanics) • DSR (Design of RCC Steel) • HRY (Hydraulics) • TEN (Transport Engineering)

- SOM (Strength of Material)
- TOS (Theory of Structure)

Membership with Professional Bodies

LMISTE LM-6850

FIE – F-1287296

Chartered Engineer

Paper Publications

- 1] **V.R.Rathi, A.B.Kawade R.S.Rajguru**” Experimental Study on Polypropylene Fiber Reinforced Moderate Deep Beam” published in International Journal of civil engineering and technology (IJCIET) vol-4 Issue Jan-Feb2013 PP-126-131 ISSN 0976-6308 (PRINT) ISSSN 0976-6316(online)
- 2] **V.R.Rathi, Miss. Sweety .P.Jain**” Experimental Study on Polypropylene Fiber and steel fiber on properties of Concrete ” published in International Journal of Scientific & Engineering Research , Vol-4 Issue 6 June2013 ISSN-2229-5518
- 3] **V.R.Rathi, S.J.Kokate, S.D.Nirmal** -“Corrosion Study of Rebars in R.C. Structures by Open Circuit Potential Method” published in Journal of Chemical & Pharmaceutical Research, Feb. 2010, Page No. 209-212, ISSN No. – 0975-7384.
- 4] **V.R.Rathi, S.J.Kokate, S.D.Nirmal**“Corrosion Study of Mild Steel, Tor Steel & CRS Steel by Weight Loss Method” published in Journal of Chemical & Pharmaceutical Research, Feb. 2010, Page. No. 97-100, ISSN No. – 0975-7384.
- 5] **V.R.Rathi, A.B.Kawade, U.P.Naik**“Experimental Study on behavior of HPC Using steel fibers, polypropylene fibers and polymers” published Cement & concrete composites Eleasvier Vol-41 (2011) pp 6000-6004
- 6] **Suryawanshi S R, Dr.K.B.Ladhane, V.R.Rathi** “ FEM Analysis of FRP Bridge deck structure “ International Journal of Engineering science Invention” ISSN (online) 2319-6734 , ISSN (Print) 2319-6726 Vol-2 Issue-81 Aug2013 pp94-102
- 7] **Mrs.U.R.Kawade , V.R.Rathi , Miss Vaishali.D.Girge** – “ Effect of use of Bagasse Ash on Strength of Concrete” International journal of Innovative Research in Science, Engineering and Technology (IJIRSET) ISSN 2319-8753 Vol-2 Issue -7 July 2013
- 8] **V.R.Rathi , P.K.Kolase** – “ Effect of Cold joint on strength of concrete “International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) ISSN 2319-8753 Vol-2 Issue -9 September-2013
- 9] **V.R.Rathi ,S.K.Gorde** – “ Experimental study on effect of recycled aggregates, fly ash and steel fibers on properties of concrete” International Journal of Civil Engineering research. Research India publications ISSN -2278-3652 Vol-4 -2013 pp 223-234
- 10] **V.R.Rathi, A.V.Ghogare, S.R.Nawale-** “Experimental study on Glass Fiber Reinforced Concrete Moderate Deep Beam “International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) ISSN 2319-8753 Vol-2 Issue -12 Dec-2013
- 11] **Pallavi .S.Dhaamak, V.R.Rathi.Dr.K.B.Ladhane** –“Dynamic Response of an Elevated Water tank “ International Journal of Engineering Research & Technology (IJERT) ISSN2278-0181 Vol-3 Issue-8 Aug-2014
- 12] **VaishaliM.Tormal, Dr.K.B.Ladhane, V.R.Rathi** –“Effect of Soil Structure Interaction on

Response of Multistoried Building “International Journal of Engineering Research & Technology (IJERT) ISSN2278-0181 Vol-3 Issue-8 Aug-2014

13] **Saurabh Wale, V.R.Rathi** – “Experimental Investigation of R.C.Beam with rectangular Spiral Shear Reinforcement “ Resincap International Journal of Science and Technology –Vol-1 Issue-6 July 2017 Paper ID OTH2201 pp158-162

14] **Nilesh.N.Shewale , V.R.Rathi**–“ Experimental study on Concrete by partial replacement of fine aggregate with Pre-treated Crumb Rubber “ International Journal of Innovations in Sciences and Technology –Civil (IJEST) Vol-X , Issue-X ISSN-2455-2933

15] **Pravin.R.Dalvi, V.R.Rathi** –“ Workability of hybrid fiber reinforced Self-Compacting Concrete “International Journal of Innovations in Sciences and Technology –Civil (IJEST) Vol-X , Issue-X ISSN-2455-2933

16] **B.A.Hase ,V.R.Rathi** – Properties of HSC Incorporating Colloidal Nano –Al₂O₃” International Journal of Innovative Research in Science, Engineering and Technology (IJRSET) ISSN 2319-8753(Online) ISSN-2347-6710 (Print) Vol-4 Issue -3 March-2015 pp-959-963

17] **ShindeGanesh.M ,V.R.Rathi** –“ Blast Loading Analysis of RCC Bridge Structure “ International Journal of Recent Scientific Research ISSN-0976-3031 Vol-7 Issue-8 pp 12929-12933 Aug-2016

18] **GadekarPriyanka.B., V.R.Rathi** –“ Study of Seismic Behavior of Composite frame structure and its comparison with RCC Structure “ International Journal OF Engineering Sciences and Research Technology (IJERSET)–THOMSON RUTERS END NOTE –ISSN-2277-9655 Impact factor-4.116 CODEN-IJESS7

19] **DigheKomal .G. , V.R.Rathi** – “ Study of Positions of Stiffeners in Sinusoidal Castellated Beam “International Journal OF Engineering Sciences and Research Technology –THOMSON RUTERS END NOTE (IJESRT)–ISSN-2277-9655 Impact factor-4.116 CODEN-IJESS7

20] **Shraddha .B.Tibhe , V.R.Rathi** – “ Comparative Experimental Study on Torsional Behavior of RC beam using CFRP and GFRP Fabric Wrapping “ **ELSEVIER Procedia Technology** 24(2016) pp140-147

21] **V.R.Rathi, Dr.C.D.Modhera**–“An Overview on the influence of Nano materials on properties of concrete “International Journal of Innovative Research in Science, Engineering and Technology- -Vol. 3, Issue 2, February 2014, ISSN: 2319-8753 pp 9100-9105.

22] **V.R.Rathi, Dr.C.D.Modhera**–“Experimental study on effect of Colloidal nano SiO₂ and fly ash addition on properties of cement mortar “International Journal of Advanced Structures and Geotechnical Engineering, ISSN 2319-5347, Scientific Journal Impact Factor: 3.929, ICV 4.94 - Volume 03, No. 03, July 2014

23] **V.R.Rathi , Dr.C.D.Modhera**–“ Experimental study on high strength concrete Using colloidal nano silica and fly ash” Published in International journal of scientific and engineering research (IJSER) Vol-7-Issue-5 May 2016 ISSN2259-5518 PP 1177-1185

24] **V.R.Rathi , Dr.C.D.Modhera**–“ Effect of CNS and Fly ash on Physical Properties of Cement and HSC “ International Journal of Modern Trends in Engineering and Research (IJMTER) e-ISSN 2349-9745 April-2016

25] **V.R.Rathi ,Dr.C.D.Modhera**–“ Effect of Colloidal nano silica (CNS) on properties of high strength concrete at Elevated Temperature.” Published in International journal of Civil Engineering and Technology (IJCIET) **Scopus indexed journal** , Vol-8,Issue-4, April 2017 PP 618-628

26] **V.R.Rathi ,Dr.C.D.Modhera**-- Experimental Studies on Effect of Colloidal Nano Silica on Durability of High Strength Concrete Subjected to Acid Attack” accepted for publication in International Journal of Engineering and Technology (IJET)**SCOUPS Index Journal**

27] **Pooja Vetel, Dr. V. R. Rathi** – “Wind Analysis on Cable Stayed Bridge by Midas Civil”Published in International Journal of Management, Technology And Engineering,

VolumeXII, Issue VI, June / 2022, ISSN NO: 2249-7455.

28] VanvePragati B., Dr. V. R. Rathi – “Prevention of Corrosion by Using Epoxy Resin” Published in International Journal of Interdisciplinary Innovative Research & Development(IJIIRD), Volume 06, Issue 02 / 2022, ISSN: 2456-236X.

29] Miss. M. B. Nawale, Dr. V. R. Rathi, Dr. P. K. Kolase – “Experimental Investigation on Basalt Fibre-Reinforced Concrete” Published in International Journal of Scientific Development and Research (IJSDR), Volume 7, Issue 6, June 2022, ISSN: 2455-2631.

30] Mrs. Y. H. Pokale, Dr. V. R. Rathi, – “Prevention and Repair of Cracks in Concrete Structure by using Epoxy Resin” Published in International Journal of Advanced Technology in Engineering and Science (IJATES), Volume 10, Issue 05, May 2022, ISSN: 2348-7550.

31] Ms. P. S. Kadam, Dr. V. R. Rathi, Dr. P. K. Kolase – “Experimental Study of Strength and Electrochemical Corrosion of Concrete Incorporating Colloidal Nano Silica” Published in International Journal of Advance Research in Science and Engineering (IJARSE), Volume 11, Issue 05, May 2022, ISSN: 2319-8354.

32] Dr. V. R. Rathi, Mr. Gaurav Gavali – “Design and Analysis of Tapered Web PEB Structure for Different Earthquake Zones” Published in International Journal of Advance Scientific Research and Engineering Trends (IJASRET), Volume 7, Issue 5, June 2022, ISSN(Online): 2456-0774.

33] Prashant Gujar, Dr. V. R. Rathi – “Effects of Nano TiO₂ on Mechanical Properties of Concrete” Published in International Journal of Management, Technology and Engineering (IJAMTE), Volume XII, Issue VI, June 2022, ISSN: 2249-7455.

34] Nakul V. Kharde, Dr. V. R. Rathi – “Response Spectrum Analysis of Suspension Cable Bridge and Tied Arch Bridge” Published in International Journal For Research in Applied Science & Engineering Technology (IJRASET), Volume 10, Issue VI, June 2022, ISSN: 2321-9653.

35] Siddhant D. Shirsath, Dr. V. R. Rathi – “Analysis and Design of Steel Concrete Composite Structure and Its Comparison with RCC Structure” Published in International Journal For Research in Applied Science & Engineering Technology (IJRASET), Volume 10, Issue VI, June 2022, ISSN: 2321-9653.

36] Rohit Gunjal, Dr. V. R. Rathi – “Comparative Study of Mass Regular and Irregular Building” Published in International Journal of Management, Technology and Engineering (IJAMTE), Volume XII, Issue VI, June 2022, ISSN: 2249-7455.

37] Sahil S. Mansuri, Dr. V. R. Rathi – “Effect of Confined Reinforcement on Development of High Yield Strength Deformed (HYSD) Bars” Published in International Journal of Management, Technology and Engineering (IJAMTE), Volume XII, Issue VI,

3. Book Published: Published Book Chapter in ‘Sustainable Building Materials and Construction’ Springer Publication
