


Curriculum Vitae

1. Personal Details		
(i)	Name	DR. VIJAY R. RODE
(ii)	Father's Name	Shri. Ramakant. L. Rode
(iii)	Date of Birth	October, 1st 1959
(iv)	Address for Communication	93, Goyal Vihar, Near Khajrana Mandir, INDORE
(v)	Permanent Address	93, Goyal Vihar, Near Khajrana Mandir, INDORE
(vi)	Contact Details	9424051405 (M)
(viii)	Nationality/Religion	Indian



2. Educational Qualifications					
No.	Degree	Year	University/Institute	Division	Specialization
1.	Ph. D.	1996	I.I.T. Bombay	-	(Structural Engineering).
2.	M.E.	1984	Indore Vishwavidyalay, Indore	First	(Structural Engineering)
3.	B.E.	1979	Indore Vishwavidyalay, Indore	First	(Civil)

PhD/M.Tech. Dissertation Title:

3.	<u>Present Position Held</u>	Professor Department of Civil Engineering and Applied Mechanics Shri G. S. Institute of Technology and Science, Indore
4. <u>Career History and Profile of Work Experience:</u>		
(a)	Academic / Teaching Experience and subjects taught :	
(i)	40 Years/ STRUCTURAL ANALYSIS, RCC, SOM, FEM	
(b)	<u>Other Academic Experiences and positions/responsibilities held</u>	
(i)	Member of Departmental Purchase Committee	
(ii)	Member of Departmental Time Table Committee	
(iii)	Member of Departmental Examination Committee	
(iv)	Development of Laboratory Manuals for Strength of Materials Lab.	
(v)	Professor Incharge of two Laboratories (Structural Dynamics Lab. , Rock Mech. Lab.)	

(vi)	Incharge of CE-101 Question paper inquiry committee.
i)	Testing of Engineering materials.
(c)	<u>Relevant Administrative Experience</u>
(d)	<u>Other Academic cum Administrative Experiences and Positions Held</u>
(i)	Tabulator for PG Courses
(ii)	Officer on Special Duty (OSD) Coding/Decoding, Revaluation etc.
(iii)	Professor incharge (Games and Sports)
(iv)	Assistant Supdt. for UG/PG Examinations (about 12 exams.), Suptdt. of Exams (3 exams) Additional Controller of Examination for short period
(v)	Consultancy of Structural Design of various Civil Engineering Structures like Buildings, Workshops, Water Treatment Plants, Water Tanks, Bridges etc.
(vi)	Stock Verification of Laboratories of Industrial Production Engg. & Pharmacy Departments and Computer Science Department.
i)	Convenor of "Marathan" Event in Annual function 'Aayam' 2005,2006,2007
ii)	Dean (Research & Development) of institute
(ix)	Dean (Student Welfare) of institute
(x)	Tabulator for PG Courses

5. Research Experience

	<u>Area of Research Interest:</u> -
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(a)	<u>Post Graduates/Ph. D. Scholar Guidance- 40+ PG Thesis & 7 PhD</u>
(I)	<u>Ph.D. Completed and Awarded- 04</u>
(i)	Name : Rajesh.K.Tripathi Title of Research work : Elasto-Plastic Higher Order Shear Deformation Analysis of Plates Status : Completed in 2001
	Name : Manjeet.S.Hora Title of Research work : Soil-Structure Interaction Studies on Infilled Building Frames Status : Completed in 2005
	Name : Ajay.K.Garg Title of Research work : Dynamic Analysis of Plates using Higher Order Flat Shell Element Status : Completed in 2005
	Name : Suraj.N. Khante Title of Research work : Dynamic Elasto-Plastic Analysis of Plates Using Higher Order Shear Deformation Theory Status : Completed in 2007

(II)	<u>Ph.D. Underprocess</u> - 02
(i)	Name : Title of research work : Status :
(b)	<u>P.G. Dissertation Guidance- 40 + PG Thesis</u>
(c)	<u>Research Projects-</u>
(d)	<u>Technical Papers Publications</u>
(I)	<u>International and National Journals - 15 (International)+07(National Journals)</u>
(i)	<u>(International):-</u> <ol style="list-style-type: none"> Higher Order Closed Form Solutions Of Thick Laminated Sandwich Shells Journal of Sandwich structures and Materials Vol.7, No. 4, pp. 335-358 Nonlinear dynamic bending analysis of plates using a HOSDT Nonlinear Dynamics: An Int Journal Vol. 43, pp 257-275. Nonlinear transient dynamic response of damped plate using a HOSDT Nonlinear Dynamics: An Int Journal Vol. 47, pp 389-403.
(ii)	National Journals:- <ol style="list-style-type: none"> Elasto-Plastic Analysis Of Plate Bending Using HOSDT Journal of Institute of Engineers, Civil Engg. Div Vol. 83, pp 191-200. Rayleigh-Ritz solution for simply supported thick orthotropic plates. Journal of Institute of Engineers, Civil Engg. Div Vol. 85, pp 223-227. Finite Element Elasto-Plastic Analysis Of Plate Bending Using Layered HOSDT The IUP Journal of Structural Engineering. Vol.2, No.04, pp 7-23. Plastic zone propagation in thick plate Using HOSDT CSVTU Research Journal. Vol. 2, No.2, pp 30-36 Elasto-Plastic Behaviour of thick plates with a HOSDT Proc. Indian Natn. Sci Acad. Vol.79(4), Part A, 563-574.
(a)	<u>Technical Papers –International /National Conferences- 04 (International Conferences) + (National Conferences):-</u> <u>(International Conferences):-</u> <ol style="list-style-type: none"> A Review Of Anisotropic Yield Criteria And Their Applicability In The Fibre Reinforced Composite Materials Asia Pacific Speciality Conference-127- 135 Singapore 27-28 August 1999 Non-Linear Plate Bending Analysis With Higher Order Shear Deformation Theory. International Conference on Civil Engineering-419-425 Bangalore 23-24 July 2001 Finite Element Elasto-Plastic Analysis Of Plate Bending Using Layered Higher Order Shear Deformation Theory. Structural Engineering Convention 2001 p-538-553 Roorkee 5-7 October 2001 Damped Transient Non-linear Response of Plates using Higher order Shear Deformation Theory 49th Congress of Indian Society of Theoretical and Applied Mechanics Accepted Rourkela 27-30 December 2004 <u>(National Conferences):-</u>

	<ol style="list-style-type: none"> 1. Bending Analysis of Conical Shell Panels for Hydrostatic Loads M.P. Young Scientists Congress. D.A.V.V. Indore Feb 1985 2. A Systematic Computer Aided Approach For Elasto-Plastic Analysis Of Fibre Reinforced Composite Structural Member CMSID-99p-127-135 Gwalior 3-4 April 1999 3. Fibre Reinforced Composite as an Emerging Building Materials: A Review Of Elasto-Plastic Behaviour CMSID-99 p-127- 135 Gwalior 3-4 April 1999 4. Higher Order Shear Deformation Theory As An Emerging Analysis Tool For Non-Linear Plate Bending Analysis All India Seminar on Infrastructure Scenario in the Twenty- first century p-45-57 Lucknow 4-5 October 2000 5. Analytical Modeling Of Plate Bending Behaviour Using Higher Order Shear Deformation Theory. National conference on New Horizons in Civil Engg. practices for Millennium 2000 -15-21 Kanchipuram 7-8 December 2000 6. Advances In Non-Linear Dynamic Bending Analysis Of Thick And Thin Plates Emerging Trends in Structural Mech. and composites p-397- 409 Rourke-la 1 2 November 2003 7. Finite Element Elasto-Plastic Bending Analysis Of Square Plate With Square Cutout Emerging Trends in Structural Mech. and composites p-410- 422 Rourke-la 1-2 November 2003 8. Effect of Tangential modulus on Trans. dyn. Nonlinear resp. of plates using H.O.S.D.T R.A.S.E. 2004 (Recent Adv. in Struc. Engg.) .N.T.U. Anantpur (A.P.) Sept. 2004 9. Elasto-plastic Dynamic analysis of plates using H.O.S.D.T. SEM-04 (Struct. Engg. and Mech.) -- B.I.T.SPilani Sept. 2004 10. Transient Dyn. response of Elasto plastic rect. plates using H.O.S.D.T. R.D.S.E.-2005 (Recent Dev. In Struc. Engg ---Manipal Apr 2005 11. Ultimate strength of Hexagonal R.C. Columns : Effect of Tie Confinements 2nd National conf. on Adv in materials & Mech. of conc Struct. I.I.T. (M), Chennai Aug. 2005. 12. Elasto-Plastic Analysis of Plates: A Higher Order Concept National conf. on Recent Adv. and Innovations in Civil Engg. p-184-188 Bhopal 27-29 June 2014
(b)	<u>Member of Editorial Board :</u>

6. <u>Awards/ Honours / Special Achievements</u>	
(i)	
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7. <u>Membership of Professional Societies</u>	
(i)	Institution of Engineers (India),
(ii)	Indian Society for Technical Education
(iii)	Indian Geotechnical Society
(iv)	Association of Structural Engineers, Indore

(v)	Alumni Association, S.G.S.I.T.S., Indore
(vi)	Alumni Association, I.I.T., Mumbai

8. <u>Testing and Consultancy Projects undertaken</u>	

9. <u>List of Conference/Workshops Organized</u>	
1	All India Seminar on Recent Trends In Computer Aided Analysis and Design of Structures Institution of Engineers Indore Local Centre Feb 14-15, 1997 Co-Chairman Tech. Session
2	National Seminar on Construction in Expansive Soils I.G.S., Chapter Indore May 09, 1998 Organiser
3	National Seminar on Geotechnical Problems-Case studies I.G.S., Chapter Indore Oct. 2010 1988 Transportation and Hospitality
4	National Seminar on Geotechnical Problems-Case studies I.G.S., Chapter Indore Oct. 1 2000 Transportation and Hospitality
5	National Seminar on IS 456-2000 on High Performance Concrete Association of Struct. Engineers Indore Feb. 17, 2001 Organiser, Tech. Comm
6	17th National Convention of Mechanical Engineers Institution of Engineers Indore Local Centre 26-27, 2001 Organiser, Accommodation Transportation
7	All India Seminar on chانىsation and Pre-fabrication in Buildings Institution of Engineers Indore Local Centre April 14, 2002 Organiser, Tech. Comm
8	All India Seminar on chانىsation and Pre-fabrication in Buildings Institution of Engineers Indore Local Centre April 14, 2002 Organiser, Tech. Comm
9	National Conference on Emerging Technologies and Women (ETWOM-02) S.G.S.I.T.S Indore Oct. 25-26, 2002 Organiser, Tech. Comm
10	National Seminar on Geotechnical Problems-Case studies I.G.S., Chapter Indore Oct. 2004 Transportation and Hospitality
11	National Seminar on Geotechnical Problems-Case studies I.G.S., Chapter Indore Oct. 2006 Transportation and Hospitality
12	Geoconcept 2007 National Student Paper Competition I.G.S., Chapter Indore Oct. 2007 Hospitality

13	National Seminar on Geotechnical Problems-Case studies I.G.S., Chapter Indore Oct. 2008 Transportation and Hospitality
14	Geoconcept 2009 National Student Paper Competition I.G.S., Chapter Indore Oct. 2009 Hospitality
15	National Seminar on Geotechnical Problems-Case studies I.G.S., Chapter Indore Oct. 2010 and Hospitality
16	ISTE National Workshop on “Engineering Mechanics” I.I.T.B., NMEICT 26 th Nov-6 th Dec'13 Coordinator
17	International Conference on Advances in Civil & Mechanical Engg. Govt. COE Amaravati. (MS) 24 Dec 2014 Chairman Technical Session
18	ISTE National Workshop on “Introduction to Structural Engineering” I.I.T.(Kharagpur), NMEICT 4 th Jan-9 th Jan'16 Coordinator

10. <u>List of Seminars / Workshops/Summer/Winter Courses Attended</u>	
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11. Invited Lectures/Talks Delivered

1	Application of Computer to Civil Engg Problems I S.T.E. New Delhi SGSTTS Indore Jan 7-20, 1985 Analysis of Shells by FEM
2	Quality Control and Testing Irrigation Dept Gov. of M.P. Academy of Admn. Bhopal Oct 23-31, 1985 Statistical Methods and Compu. Prog
3	Quality Control and Testing Irrigation Dept Gov. of M.P. Academy of Admn. Bhopal Oct 23-31, 1985 Statistical Methods and Compu. Prog
4	Building Failure Causes and Remedies UGC,New Delhi SGSTTS Indore Jan 4-6 1988 Concrete Failures - Causes & Rem
5	Appli. of Finite Element in Nonlinear Prob. of Civil Engg. A.I.C.T.E. New Delhi SGSTTS Indore Oct 7-19- 1996 Material Nonlinear Analysis of Plates Using HOSDT
6	Computer Aided Design in Civil Engineering DTE, MP G.T. Govt. Polytech.JAORA Jan 27-30 1997 Computer Aided Design of Struct
7	National Multi-Conference on Advances in Civil & Electronics Engg. LNCT Grp of Insti. JDCT 9 July 2013 Advance Techniques and Researches in Civil Engg

12. <u>Any other relevant information</u>	
(i)	<p>(A) Educational Tours</p> <p>(i) Co-Professor In-charge of 8 days tour for Final Year BE. to Bombay in January 1986</p> <p>(ii) Manager of Institutional Cultural Team participating in “OASIS” 1986 for 5 days Cultural Competition Festival at B.I.T.S. Pilani in October 1986</p> <p>(B) Annual Gathering</p> <p>(i) Co-Professor In-charge of Stall Erection Committee in 1983 & 1984</p> <p>(ii) Professor In-charge of Request Stall Committee in 1985 & 1986</p> <p>(iii) Judge for Intercollegiate music Competition organized by Rotract Club, SGSITS in March 1987.</p> <p>(iv)Member of (a) Transport and (b) Finance Committee of Golden Jubilee Celebrations</p> <p>(C) Other Activities</p> <p>(i) Executive Committee member of Alumini Association during 1999-2001</p> <p>(ii) Finance Secretary of Alumini Association during 2001-2003</p> <p>(iii) Joint Secretary of Association of Structural Engineers, Indore 2000-2002</p> <p>(iv) Member of Marathi Engineers Social Group</p> <p>(v) Member of Sanand Nyas Cultural Group</p>

Dr. V.R. Rode
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