

Detailed Bio Data
of
Dr. N.V. Ramana Rao

**BIO-DATA OF
Dr. N.V. RAMANA RAO**



1. Name : **Dr. N.V. RAMANA RAO**
2. Designation : **Director & Professor of Civil Engineering National Institute of Technology, Raipur.**
3. Date of Birth : **25-11-1961**
4. Native Place & Dist : **Kodada, Nalgonda (Dist.)**
5. Area of Specialization : **Civil and Structural Engineering**

6. Academic Qualifications :

B.E. (Osm), M.Tech. (IIT), P.G.D.C.S. (Hyd.), Ph.D. (UK), Post Doc (UK)

Title of Ph.D: Computer Aided Analysis and Optimization of Shell Structures.

7. Address for Correspondence : **Director & Professor of Civil Engineering National Institute of Technology Raipur Chhattisgarh State, India.**

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8. Industrial Experience

I am a well known Administrator, Teacher & Consultant in the field of Civil and Structural engineering in twin cities of Hyderabad and Secunderabad. I have more than 33 years of experience in Teaching, Research and Consultancy. I am a Former Director of Bureau of Industrial Consultancy Research And Development (BICARD) at JNT University from 22.9.2003 to 5.5.2006.

Sl.No:	Designation	Department	Date of actual joining	
			From	To
1	Asst. Professor	Civil Engineering	30-11-1985	30-11-1991
2	Assoc. Professor	Civil Engineering	30-11-1991	21-10-1999

3	Professor	Civil Engineering	22-10-1999	Present
4	Co-ordinator,	Entrepreneurship Development Cell	01-08-2002	31-01-2004
5	Director	BICS, JNTU	05-09-2003	05-05-2006
7	Principal	JNTUH College of Engg., Hyd.	30-04-2008	24-11-2011
8	Registrar	JNT University Hyderabad	30-04-2012	21-07-2015
9	Rector	JNT University Hyderabad	01-05-2016	20.10.2017
10	Director	National Institute of Technology, Warangal	23-10-2017	To till date
11	Director (Addl. Charge)	N.I.T. Andhra Pradesh	23.10.2017	23.03.2018
12	Director (Addl. Charge)	School of Planning and Architecture, Vijayawada	18.11.2021	23.09.2022

9. Administrative Experience

1. Director (Additional Charge), School of Planning and Architecture, Vijayawada from 18.11.2021 to till date.
2. Director (Additional Charge), NIT, Andhra Pradesh from 23.10.2017 to 23.03.2018.
3. **Director**, National Institute of Technology Warangal from 23.10.2017 to till date.
4. **Rector**, JNT University Hyderabad, Kukatpally, Hyderabad from 01.06.2016 -20.10.2017.
5. **Registrar**, JNT University Hyderabad, Kukatpally, Hyderabad from 30.04.2012 to 21.07.2015.
6. **Principal**, JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad from 30.04.2008 to 24.11.2011.
7. **Director**, Bureau of Industrial Consultancy Services, JNT University, Hyderabad from 05.09.2003 to 05.05.2006.
8. **Co-ordinator**, Entrepreneurship Development Cell, JNT University, Hyderabad from 01.08.2002 to 31.01.2004.

10. Awards/Prizes/Certificates won:

1. **Outstanding Concrete Engineer Award** for the year 2012 by A.P. Chapter of the Indian Concrete Institute.
2. **TOBIP Award** for the year by the Junior Chambers International, Hyderabad, September 2012, JCI Banjara Hyderabad.
3. **Arthur Cotton Memorial Prize** by the Institute of Engineers (India) for the best paper in the IEI Journal, December, 2012.
4. **State Best Teacher Award** for the year 2011 by the Government of Andhra Pradesh.
5. **Best Designer Award** for year the 2004 by Indian Concrete Institute, A.P., Hyderabad Center for the School of Information Technology Building.
6. Awarded the 1998 **Commonwealth Fellowship** to pursue Post Doctoral research at the University of Wales, Swansea. U.K.

7. **Young Engineer Award** for the year 1995 by Government of Andhra Pradesh and Institution of Engineers, India, A.P. State Center.
8. Awarded the 1989 **Commonwealth Scholarship** to pursue PhD in Structural engineering at the University of Wales, Swansea, UK.
9. **Arthur Cotton Memorial Prize** by the Institute of Engineers (India) for the best paper in the Studies on the Impact of Explosion on Blast Resistant Stiffened Door Structures, Series A, Volume 96, 2015.
10. **“Eminent Engineer” Award** presented by the Association of Consulting Civil Engineer (India) ACCE(I), Madurai on 2nd June 2018, for the immense contribution to the construction industry.
11. **“Bharat Ratna Sir Mokshagundam Visvesvaraya Prize Award-2020”** in the field of **“Engineering”**, presented by the Institute of Engineers (India), Telangana State Centre, Hyderabad and Government of Telangana.

11. Membership of Professional Bodies

1. **Member** of Academic Senate, JNT University, Hyderabad.
2. **Life Member** of the Indian Concrete Institute w.e.f. 25.09.2010.
3. Past **Secretary** of the Indian Concrete Institute- AP Hyderabad Center
4. **Executive** member of the Indian Institute of Bridge Engineers.
5. **Member** of Academic Senate, JNT University, Hyderabad.
6. Past **Secretary** of the Indian Concrete Institute- AP Hyderabad Center
7. Past **Chairman** of the Indian Concrete Institute - AP Hyderabad Center.
8. **Executive** member of the Indian Institute of Bridge Engineers.
9. **Fellow** of Institution of Engineers (India), Kolkata - (F-1241741).
10. **Fellow** of the Telangana Academy of Sciences (FTAS)” FY- 2018.
11. **Life Member**, Telangana State Academy of Sciences, Hyderabad.

12. Membership of Important State/National level Government Committees

1. **Expert Committee Member** of City Police Commissionerate Head Quarters Building and Integrated Command & Control Center.
2. **Co-Chairpersons** of interview boards conducted by RAC for Recruitment and Assessment of Scientists in DRDO, Govt. of India.
3. **Member** of Several AICTE Inspection Committees.
4. **Coordinator** of Police Recruitment Test - 2016 - Preliminary Written Test for the posts of SCT PC (Civil) (Men & Women), SCTPC (AR) (Men & Women), SCT PC (SAR CPL) (Men), SCT PC (TSSP) (Men) in Police Dept. Constable (Men) in SPF Dept., Firemen in TS Disaster Response and Fire Services Dept.
5. **Coordinator** for PRT - 2015 - Recruitment in Constables in Telangana State Police Department.
6. **Coordinator** for Singareni Collieries Recruitment Test - 2015.
7. **External Expert Member** of ISRO Departmental Promotion Committee (DPC).

8. **Nominated as a Expert Committee member** constituted by the UGC for grant of Autonomous to Guru Nanak Institutions Technical Campus by the Govt. of Telangana.
9. **Subject Committee Member of** Telangana State Public Service Commission.
10. **Member of** Telangana State Pollution Control Board.
11. **Expert Committee Member** of Telangana State Power Generation Corporation.
12. **Convener**, EAMCET - II - 2016 (Telangana State).
13. **Convener**, EAMCET - 2016 (Telangana State).
14. **Convener**, EAMCET - 2015 (Telangana State).
15. **Convener**, EAMCET - 2014.
16. **Convener**, EAMCET - 2013.
17. **Convener**, EAMCET - 2012.
18. **Convener**, EAMCET - 2011.
19. **Convener**, EAMCET - 2010.
20. **Member** of CET Committee.
21. **Member** for "Sub-Committee on Urban Floods".
22. **Member** of "Restricting of Fire & Emergency Services Department.
23. **Member** of Enquiry Committee for Investigating the collapse of the Flyover".
24. **Member** of High Power Committee on Fire Safety in the Chambers of Secretary".
25. **Member** of "Technical Expert Committee for Construction of parallel Bridge across River Musi".
26. **Member** of High Level Committee for Revision and updating of AP Standard Data in the year 2006.
27. **Member** of the committee to inspect the premises of M/s. Montgomery's Hotel and Bar situated at SD Road, Secunderabad appointed by GHMC in the year 2010.
28. **Member** for the sub-committee on Urban Floods appointed by Govt. of AP in the year 2008.
29. **Member** of sub-committee on Restructuring of Fire & Emergency Services Department appointed by Govt. of AP in the year 2008.
30. **Member** of Evaluation Committee for the process of Evaluation of EPC bids for the four flyovers being taken up by MCH in the year 2005.
31. **Member** of Structural expert to inspection of G-Block in the premises of Secretariat in the year 2006.
32. **Member** to evaluate the cost particulars of the self supporting towers at various places in the state in the year 2006.
33. **Member** of Governing body of VNR College of Engineering and Technology, Hyderabad.
34. **Member** of Governing body of JBIT, Yenkapally, Ranga Reddy District.

35. **Member** of Governing body of Aurora's Engineering College, Bhuvanagari, Nalgonda District.
36. **Member** of Governing body of Medak College of Engineering and Technology, Siddipet, Medak District.
37. **Member** of Governing body of Sri Vivekanada College of Engineering and Technology, Hyderabad.
38. **Technical Expert Member** for identifying the reasons / causes for unfortunate incident occurred in 8 segments of Punjagutta Flyover appointed by Govt. of AP in the year 2007.
39. **Member** to examine the incident involving the fall of unipole hoardings erected by M/s. Ad-age Outdoor advertising Pvt. Ltd., Hyderabad in the year 2007.
40. **Advisory Committee Member** for Contractors Development Institute (CDI).
41. **Advisory Member of Jawaharlal** Nehru Institute of Advanced Studies (JNIAS).
42. **Convener of the Committee** to analysis the statistics from EAMCET-2007 to EAMCET-2010 like Rural, Urban, with weightage and without weightage.
43. **Expert Member** to evaluate the performance of the candidate in the area of Civil for promotion at NRSC, Hyderabad.
44. **Member** of the Vigilance Cell (works) of ANGRAU.
45. **Advisory Member** of Twenty Fifth National Convention of Civil Engineers organized by the Institute of Engineers (India) during 23-24 October, 2009.
46. **Expert Member** of Tender Evaluation Committee for Construction of flyovers in Hyderabad city.
47. **Expert Committee member** for making Guidelines for "Transparency in public works", by the Centre of Good Governance, MCH, Hyderabad.
48. **Expert Member** tender evaluation Committee for MCH, APPPC.
49. **Member** of Academic Senate, JNT University.
50. **Expert Member** of CGG for various Civil related works.
51. **Member of High Level Committee** on Fire Safety of Building and Structures.
52. **Member of High Level Committee** for preparation of Standard Schedule of Rates.
53. **Enquiry Committee Member** on inquiry in to Distress in Muslimjung Bridge at Hyderabad.
54. **Member** of Construction Advisory Committee Govt. of India.
55. **Member** EAMCET Admission Committee (2008).
56. **Member** Board of Studies in Civil Engineering, JNTUH, Hyderabad.
57. **Member** of Personality Test Boards (P.T Boards) for Engineering Services Examination 2014, Union Public Service Commission, New Delhi.
58. **External Member,** Building Committee, University of Hyderabad, 2017.

59. **Member**, Board of Management of SRM University, Delhi, 2018
60. **Member** of the Academic Council, Pondicherry University (Central University (13.07.2018 to 12.07.2021).
61. **Member**, AIU Research Committee, 2018.
62. **Expert Member** of Structural Engineer for the **“Enhancement of Facilities at Yadadri Temple, Yadagirigutta, Telangana”**.
63. **Member** of (Technical Committee) Telangana State Industrial Infrastructure Corporation Ltd (TSIIC) **Construction of T-HUB Phase-II**.
64. **Member**, Personality Test (PT) Board for Civil Services Service Examination 2018 to be held in Union Public Service Commission (UPSC), Delhi.
65. **Member** of the Building Committee, Pondicherry University (Central University) for a period of three year from 02.05.2019.
66. **Member**, Board of Governors (BoG), of Indian Institute of Information Technology, Design and manufacturing (IIITDM) Kurnool (2019).
67. **Member**, Building & Works Committee (BWC) of Indian Institute of Information Technology (IIIT), Tiruchirappally.
68. **Member**, Executive Council ‘Heritage Network.
69. **Member**, **“NIT Think Tank”** for improving Rankings of NITs and IEST Shibpur under National Institutional Ranking Framework (NIRF), 2019.
70. **Member**, JEE Apex Board (JAB) for admission to UG Engineering Programmes in IITs, NITs & CFTIs, 2019.
71. **Member**, South Central Regional Committee, All India Council for Technical Education, Hyderabad from 13.12.2019 for a period of three years.
72. **Member**, Core Committee for Direct Admission of Students Abroad (DASA) for the Academic Year - 2020-21.
73. **Member**, Advisory Committee for National Council for Cement and Building Materials (NCB), Hyderabad for the year 2020, 2021 & 2022.
74. **Member**, Planning Board, Pondicherry University (Central University) for a period of three year from 14.07.2020 to 13.07.2023.
75. **Member**, B-1 Committee: General Design Features (Bridges & Grade Separated Structures) of Indian Roads Congress (IRC), New Delhi for a period of 3 years tenure (2021 - 23).

13. Publications :

Edited three books and published **186** papers in International/National Journals/International Conferences/National Conferences.

Guided more than **80 M.Tech’s**, **13 Ph.D’s** and guiding at present several Ph.Ds.

Books (Authored and Edited)

1. **Design of Reinforced Concrete Structures**, N.V. Ramana Rao and P. Sreenivas Sarma, 2012, Academic Publishing Company, Hyderabad.
2. **Maintenance and Durability of Concrete structures**, Edited by P. Dayaratnam and N.V.R. Rao, 1997, Universities Press, Hyderabad, India.
3. **High Rise Buildings**, Edited by P. Dayaratnam and N.V.R. Rao, 2008. Anupama Printers Hyderabad
4. **High Rise Constructions**, Edited by N.V.R. Rao, 2009, Anupama Printers Hyderabad.
5. **Construction & Demolition Waste Recycling**, Edited by N.V.R. Rao, 2015, Anupama Printers, Hyderabad.

14. International visits

1. Visited several countries such as **UK, USA, Singapore, Malaysia, Thailand, Srilanka, Austria and Germany** to deliver lectures in civil Engineering related topics in 2010.
2. Visited **UK** during 1989-1992 and 1998-1999.
3. **Austria** to attend International Conference.
4. **Germany** to attend short term course
5. **Singapore** to attend conference.
6. **USA** to attend conference.
7. Visited **Hongkong and Colombo** in Year 2010.
8. **China**, Chang'an University in 2017.
9. **Spain**, University of Santiago De Compostela (E SantiaGo1) in 2018.
10. **Taiwan**, University of National Formosa University & National Chung Cheng University, Taiwan during 19-24 June 2018.
11. Visited **Portugal** to participate in the Heritage General Assembly and Workshop during 25.05.2019 to 01.06.2019 at IST, Lisbon, Portugal.
12. Visited USA for academic collaboration between NIT Warangal and USA Universities during 5-29 November, 2019.

15. LIST OF PUBLICATIONS

Please see ANNEXURE

16. Organized

1. Conducted successfully **EAMCET 2010, 2011, 2012, 2013, 2014, 2015 and 2016** as a **Convener**
2. National Workshop on **“Codes of practice for R.C. Structures”**, during 28-29 July, 1995.

3. Was the Conference Secretary for the **International Conference on Maintenance and Durability of Concrete Structures**, March 4-6, 1997, Hyderabad, India.
4. Was the Organising Secretary for **“National Seminar on Quality and Safety in Construction”**, September 22, 2001, Hyderabad, India.
5. Three Week Refresher Course on **“Computer Aided Design”**, at UGC-Academic Staff College during 4-23 February, 2002.
6. Organised Workshop on **“Constructing your own House Issues and Concerns”** during 8-9 March, 2006.
7. Organised Workshop on **“Earthquake safety for Buildings and Bridges”**
8. Organized National Workshop on **“High Rise Buildings”** April 25th-26th 2008.
9. Organised workshop on **Self Compacting Concrete** during 15-16, May, 2008.
10. Organized National Workshop on **“High Rise Buildings”** during 22-23, May, 2009.
11. National Workshop on **“Structural stability and safety of buildings”** during 23-24 October, 2009.
12. Workshop on **“Constructing your own house: Issues and concerns”** during 15-16, April, 2010.

17. Invited Lectures

1. Lecture on **Adaptive analysis and Optimal Design** at the Advanced Study Institute on Computational Methods for Engineering Analysis and Design held at IIT Madras, during August 2-11, 1993.
2. Workshop for **Public Health Engineers on Building**, Tanks, Roads, pipes and pumps, Hyderabad, August 13-15, 1993.
3. Training Course on **Repair and Rehabilitation of Structures**, 19-23rd December, 1995, Hyderabad organised by National Council of Cement and Building Materials, Hyderabad.
4. **Engineering Design Optimization** by FE method, in the symposium on Finite Element Technology in Indian Industry. At IIT Madras 26-27th June 1996.
5. ISTE summer school on **Numerical methods and Computer applications in Engineering and Science** at Chaitanya Bharathi Institute of Technology, Hyderabad, 8-19th July 96.
6. **Construction, Planning and Management, Lecture presented in the training course** on Industrial Structures, December 5-6, 1996, Hyderabad.
7. Lecture on **Adaptive analysis and Optimal Design** at the **Advanced Study Institute on Computational Methods for Engineering Analysis and Design** held at IIT Madras, during August 2-11, 1993.
8. Workshop for **Public Health Engineers on Building**, Tanks, Roads, pipes and pumps, Hyderabad, August 13-15, 1993.

9. Training Course on **Repair and Rehabilitation of Structures**, 19-23rd December, 1995, Hyderabad organised by National Council of Cement and Building Materials, Hyderabad.
10. **Engineering Design Optimization** by FE method, in the symposium on Finite Element Technology in Indian Industry. At IIT Madras 26-27th June 1996.
11. **Construction, Planning and Management, Lecture presented in the training course** on Industrial Structures, December 5-6, 1996, Hyderabad.
12. **Lecture at ESCI, Hyderabad** on Changes in the IS 456-2000, June 2002
13. **Bridge Analysis Design and Construction**, Vijayawada Municipal Corporation and VTPS Vijayawada. March 2006
14. **Bridge Repair and Rehabilitation** at ESCI, Hyderabad on June 2006.
15. **Lecturer on Quality Control and Inspection at Capacity Building Programmes** on Quality Assurance and Third Party Inspection & Monitoring (TPIM) for projects under JNNURM during 1-2 February, 2011 at BMTPC, Tiruvanthapuram, Kerala.

18. List of courses/Conferences/Seminars attended

1. A short term course on **Marine Structures** held at Ocean Engineering Centre, I.I.T. Madras from 6th to 17th June 1988.
2. A short term course on **Dynamic Loading on Structures and Their Treatment** conducted by the Structures Section, Department of Civil Engineering, **IIT Delhi**, during 8th to 21st December 1988.
3. **Advanced Study Institute on Optimization of Large Structural Systems** organised by the NATO during 23rd September 1991 to 4th October 1991 in Germany.
4. **First International Conference on Computational Structures Technology**, held at Heriot- Watt University, Edinburgh, U.K.
5. **National Workshop on Proposal for Revision IS 456-1978**, Jan 27-28, 1995 organized by Indian Concrete Institute, Bangalore, India.
6. **International conference on Fiber Reinforced Structural Plastics in Civil Engineering**, held at **IIT Madras** during 18-20th December 1995.
7. **UGC short term course on Introduction to Computers**, Organised by JNT University, Hyderabad, India during 7th to 19th November 1994.
8. **A course on Unix C, C++ and OOPS** organized by JNT University, Hyderabad, During 6th May to September 1996.
9. **ASMO conference on Structural Optimization**, U.K. -1998
10. **World Congress on Structural and Multidisciplinary Optimization, Buffalo, USA**, May 1999.
11. **National Seminar on Quality and Safety in Construction**, September 22-2000, Hyderabad, India.

12. **International Conference on Cable stayed and Suspension Bridges**, December 2001, Hyderabad, A.P. India.
13. **International Conference on Infrastructure Development**, National Academy of Construction, Hyderabad, March 2002.
14. Advances in Corrosion protection of structural steel *on **Advances in steel with special reference to Bridges and structures***, 10th May, 1996, Secunderabad.

19. Major Consultation works undertaken

1. Design of Bridges across **Musi River**, Hyderabad, A.P
2. Type design of **Residential School Complexes** in A.P., India.
3. Type Design of **Water Tanks**.
4. Design of Bridges on **Necklace Road in Hussain Sagar Lake** at Hyderabad, A.P., India.
5. Proof checking of Structural designs for **flyover at CTO junction**, Hyderabad.
6. Proof Checking of Prestressed **Concrete Bridges of NHAI**, India.
7. **Non-Destructive testing** of several **Buildings and Bridges**.
8. **Repair and Rehabilitation of Several structures including Bridges** in Andhra Pradesh
9. Proof Checking of **NHAI Bridge** works.
10. Third Party Consultation works for **Irrigation Projects**.
11. Third party works of **Outer Ring Road Project**.
12. Third Party **Quality Control for Bridge works** in and around Hyderabad.
13. **LANCO Hills Project**, (High Rise Structures of 30 Storey and Above), Hyderabad.
14. **TSI Project Waverock**, Hyderabad
15. **Inter State Bus Terminus (ISBT)** including External Services at Golapar, Haldwani, Nainital, Uttarakhand.

20. List of other Consultation work undertaken

1. Design of office building for **AP Seed Certification Agency**, Govt. of AP, India.
2. **Nagarjuna University, Campus Buildings**, Guntur AP, India.
3. Comparative Evaluation of **Minor Irrigation Schemes**, Govt. of AP, India.
4. Quality Control of Cement **Concrete Roads for MCH**, Hyderabad.
5. **Survey and layout of Housing plans to weaker sections Housing**, Govt. of AP, India.
6. Scrutiny of preliminary proposals for flyover and Road over Bridges submitted by **56 consultants to HUDA**.
7. Scrutiny of General Arrangement **Drawings for Flyovers in Twin cities** of Hyderabad and Secunderabad, A.P., India.
8. **Restoration of Elevated Service Reservoir** at Nizamabad, A.P.

9. Proof checking of **Prestressed Concrete Road over Bridges at Solapur-Wadi** Section, Central Railway, India.
10. Structural design of **Working women's hostel, SPMVV, Tirupathi**, AP, India.
11. Extensive **testing and Fabrication** of testing facilities for building materials of Hyderabad Industries Ltd.
12. Proof Checking of **Defense** Buildings.
13. Proof Checking of **Major Bridges**.
14. Proof Checking of **Film Nagar Cultural Center (FNCC)**.
15. Proof Checking of Sy.No:46, Ramanthapur Village.
16. Proof Checking of **Nanakramguda**.
17. Aerial Rope way at Srisailam.
18. Structural Stability of Hoardings and Unipoles in GHMC.

Certified that the statement made by me are true and correct to the best of my Knowledge.



Dr N.V. RAMANA RAO