

Curriculum Vitae

Name : Dr . P. Kodanda rama rao
Date of Birth : 10th December 1968
Designation : **Vice-Principal Administration,**
Professor of Civil Engineering Department.
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School, Santhi Nagar, Gudivada, Krishna District, A.P.
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Educational Qualifications:

Degree	University	Year	Field of Specialization	Class
Ph.D	JNTUH, Hyderabad, A.P.	2014	Response of Coastal Structures against Earthquake Forces Considering Soil – Structure Interaction and Tsunami Run-Up Forces	---
M.Tech	JNTUA, Ananthapur, A.P.	1997	Structural Engineering	First class with distinction
B.Tech	Nagarjuna University, A.P.	1993	Civil Engineering	First class
D.C.E	State Board of Higher Education	1990	Civil Engineering	First class with distinction

Professional Societies Membership and Positions Held:

- Appointed as Board of Studies Member for Civil Engineering Department at S.R.K.R Engineering College, bhimavaram for the academic year 2019-21 .
- Special invitee for 34th Engineering Congress to be organized by IEI, Telangana State in the mon5h of Dec 2019
- Invited by the Irrigation & CAD, Department of Polavaram circle as Third party witness for Mega Event - “Poring Huge Volume of Concrete in 24 hours for Polavaram Dam” by Navayouga Construction Company, which was successfully registered in to Guinness World Record on 7th January, 2019.

- Attempted 12 weeks NPTEL online course on Design and Drawing of Reinforced Concrete Structures and got **Elite + Gold** with 96% and stood in top 1%
- Awarded and felicitated as “Best Civil Engineering Teacher” by ISTE (A.P) chapter, sponsored by Balaji Educational Society, Anantapur on 18th March,2019.
- Appointed as the member of joint inspection team to monitor the physical progress and quality in construction NIDM southern block at Kodapavuluru village, Ganavaram
- Appointed as Board of Studies Member for Civil Engineering Department at VVIT Engineering College Nambur for the academic year 2019-21
- Elected as **Chairman IE(I) Andhra Pradesh State Centre for the session 2016-18,**
- Elected as Executive Member for IE(I)AP State centre from Civil Engineering Division for the session 2016-18
- Elected as Executive Member for IE(I) Vijayawada local centre from Civil Engineering Division for the session 2014-16 and for the session 2012-14
- Chartered Engineer from 02-01-2014
- FIE -114589/0
- MIE M-132848-9 from September 2006
- LMISTE LM 24775 from 19.9.1997

Scholarships Received :

- University Grants Commission for M.Tech. Studies

Academic Distinctions / Ranks Achieved

- First in academic activity in II-D.C.E(Annual award)

Employment record in various organizations (Starting from present employment)

Organization	Designation	Period
Gudlavalleru Engineering College, Gudlavalleru.	Professor & Vice-Principal (Administration)	01-12-2020 to till date
Gudlavalleru Engineering College, Gudlavalleru.	Professor & HOD of Civil Engineering Department	July 2012 to till date
Gudlavalleru Engineering College, Gudlavalleru.	Associate Professor & HoD of Civil Engineering Department	August 2009 to July 2012
Gudlavalleru Engineering College, Gudlavalleru.	Associate Professor	August 2005 to July 2009
Gudlavalleru Engineering College, Gudlavalleru.	Assistant Professor	Sept. 1998 to July, 2005

AANM & VRSR Polytechnic, Gudlavalleru	Associate Lecturer in Civil Engineering Department	July 1997 to Sep 1998
Jana Chaitanya Housing Pvt. Ltd, Guntur	Design Engineer	May 1993-Nov 1995
J. Bapaiah Choudary, Class I Contractor, Prakasam Dt. A.P.	Site Engineer	March 1990-Jan 1991

Administrative experience

University / College	Position	Period
Gudlavalleru Engineering College	Professor & Vice-Principal (Administration)	December 2020 to till date
Gudlavalleru Engineering College	Professor & HOD of Civil Engineering Department	July 2012 to November 2020
Gudlavalleru Engineering College	Associate Professor & In charge HOD of Civil Engineering Department	August 2009 to July 2012
Gudlavalleru Engineering College	IQAC Member	2015 to till date
Gudlavalleru Engineering College	Board of Studies Chariman	2014 to till date
Gudlavalleru Engineering College	RACE faculty advisor	2009 to 2011
Gudlavalleru Engineering College	Member, Anti Ragging committee	2009 to till date
Gudlavalleru Engineering College	Member of student discipline committee	2009 to till date
Gudlavalleru Engineering College	Department NBA & NAAC coordinator	2015 to till date

Gudlavalleru Engineering College	Transportation Incharge	July 2006 to April 2009
Gudlavalleru Engineering College	University Examination Additional Coordinator	July 2005 to April 2008

Teaching Experience : 22 Years

Field Experience : 3-years

Number of Publications :

Journals : 11

- i. **Dr.P.Kodanda Rama Rao** published a paper on "Strength and Durability Properties of Concrete with Partially Replaced Cement with Egg Shell Powder and Fine Aggregate with Quarry Dust" in Scopus journal International Journal of Innovative Technology and Exploring Engineering (IJITEE),ISSN: 2278-3075, Volume-8 Issue-10, August 2019.
- ii. **Dr.P.Kodanda Rama Rao** published a paper on "Response of High Rise Building with Conventional Brick and Light Weight Brick with Seismic Loads" in Scopus journal International Journal of Innovative Technology and Exploring Engineering (IJITEE),ISSN: 2278-3075, Volume-8 Issue-9, July02019.
- iii. **Dr.P.Kodanda Rama Rao** published a paper on **Static and Dynamic Analysis of a Multi-Storied Building With Shear Walls at Different Locations**, International Journal of Engineering & Science Research, March 2017, Vol-7,Issue-3,24-29.
- iv. **Dr.P.Kodanda Rama Rao** submitte a paper on **Sesmic Response of Regular and Irrigular High Rise Building with and without infill-walls** , to Journal of Institution of Engineers(India), Series A with Manuscript number IEIA-D-18-00174
- v. **Dr P. Kodanda Rama Rao**,B Rajamannar published a paper on **an Alternate solution in brick making Using Mineral Admixture**, International Journal of Engineering Research & Technology, July 2016, Vol-5,Issue-7, PP 645-649.
- vi. **Dr.P.Kodanda RamaRao** ,K.Venkateswara Rao, A.H.L.Swaroop, , Ch.Naga Bharath Published a paper on **‘Study on Strength Properties of Coconut Shell Concrete’** in international journal of civil Engineering & Technology (IJCIET), Volume 6 issue 3, March 2015, pp-42-61.
- vii. **Dr P.Kodanada RamaRao** ,A.H.L.Swaroop, K.Venkateswara Rao, Published a paper on **“Experimental Investigation on Durability Characteristics of Concrete developed by using**

Brick powder and Quarry dust.” in International Journal of Civil Engineering and technology (IJCIET) ISSN-0976-6316 ,Impact factor-9.1215, Pp 86-96.,Volume -6 Issue-1.

- viii. **Prof P Kodandaramarao** ,A.H.L.Swaroop, K.Venkateswararao , Published a paper on **“Durability Studies on Concrete with Fly Ash & GGBS”**, in International Journal of Engineering Research and Applications (IJERA).ISSN:2248-9622,Vol.3, Issue.4, June-2013.PPNo.285-289, in June-2013.
- ix. **P.Kodanda Rama Rao**, U.Ranga Raju, K.RamaMohan Rao, S.R.K. Reddy Published a paper on **“Response of Coastal Structures against Earthquake Forces Considering Soil–Structure Interaction and Tsunami Run-up Forces”**, in International Journal of Innovative Technology and Exploring Engineering (IJTTEE). ISSN: 2278-3075, Volume-3, Issue-1,PPNo.91-98, in June-2013.
- x. **P.Kodanda RamaRao** ,B.Neelima, B.Panduranga Rao, Dr.S.R.K.Reddy Presented a paper on **“Earthquake Response of Structures Under Different Soil Conditions”**, in International Journal of Engineering Research and Technology (IJERT) Vol.No.1, Issue.7 on 30th September, 2012.
- xi. **P.Kodanda RamaRao**, Dr.S.R.K.Reddy, K.RamaMohan Rao Published a paper on **“Response of Coastal Buildings Subjected to Seismic and Tsunami Forces”**, in International Journal of Engineering Science and Technology Vol.2 (11),2010, 6195-6203, in November-2010.

Conferences/ Symposiums: 12

- i. **Dr.P.Kodanda Rama Rao: Impact Assessment of Watershed Development Program using GeoSpatial Techniques**, Proceedings of two day Workshop on Geospatial Technologies with Spatial Colloquium on Evaluation of Land & Water Management Systems of West Godavari, District, AP, India PP.No.22-28, National workshop, during October,2016.
- ii. **Dr.P.Kodanda Rama Rao: Evaluation of Drainage and surface water resources of Brahmayyalingam lake in Agiripalli mandal, Krishna District, India using RS&GIS Techniques**, Proceedings of two day Workshop on Geospatial Technologies with Spatial Colloquium on Evaluation of Land & Water Management Systems of West Godavari, District, A.P, India PP. No. 51-57, National workshop, during October,2016.
- iii. **Dr.P.Kodanda Rama Rao: Urban Sprawl Mapping and Land Use Change Analysis Using Remote sensing and GIS- A Case Study of Kakinada City**, Proceedings of two day Workshop on Geospatial Technologies with Spatial Colloquium on Evaluation of Land & Water Management Systems of West Godavari, District, AP, India PP. No. 59-67, National workshop, during October,2016.
- iv. Presented and Published a Paper on **“Densification of Soil by using stone columns Technique”** in All India seminar on “Recent Developments in Retrofitting, Repairs and Rehabilitation of

Structures” with ISBN:978-1-4276-5542-4 at Gudlavalleru engineering College in association with Institute of Engineers(I), Vijaywada Local Centre from 11th -12th July,2015.

- v. Presented and Published a Paper on **“Seismic evaluation and retrofitting of RC Columns using Jacketing Technique”** in All India seminar on “Recent Developments in Retrofitting, Repairs and Rehabilitation of Structures” with ISBN:978-1-4276-5542-4 at Gudlavalleru engineering College in association with Institute of Engineers(I), Vijaywada Local Centre from 11th -12th July,2015.
- vi. Presented and Published a Paper on **“Review on various retrofitting and Strengthening Methods employed for Bridges, Buildings and Load bearing structures”** in All India seminar on “Recent Developments in Retrofitting, Repairs and Rehabilitation of Structures” with ISBN:978-1-4276-5542-4 at Gudlavalleru engineering College in association with Institute of Engineers(I), Vijaywada Local Centre from 11th -12th July,2015.
- vii. Presented and Published a Paper on **“A Case study on strengthening Measures to existing rig foundation at Silchar, Assam”** in All India seminar on “Recent Developments in Retrofitting, Repairs and Rehabilitation of Structures” with ISBN:978-1-4276-5542-4 at Gudlavalleru engineering College in association with Institute of Engineers(I), Vijaywada Local Centre from 11th -12th July,2015.
- viii. Presented and published a paper on **‘Enhancement of Mathematical stiffness method of Structural Analysis’** in National conference on Innovations in Engineering &Technology (NCIET 2013) at Gudlavalleru Engineering College, Gudlavalleru. From 27-12-2013 to 28-12-2013 (Two Days).
- ix. Presented and Published a paper on **“Earth quake induced Tsunamis need of Tsunami warning system”** in National conference on Innovations in Engineering &Technology (NCIET 2013) at Gudlavalleru Engineering College, Gudlavalleru. From 27-12-2013 to 28-12-2013 (Two Days)
- x. Presented and published a paper on **“Dynamic response of structures against earthquake forces under different soil conditions”** at National Conference, during 25th August, 2012 at K.L.University, Vaddeswaram, Guntur District on 25th August, 2012.
- xi. Presented a paper on **“Behaviour of Coastal Structures Against Earthquake and Tsunami Forces”** in International Conference on 1st World Congress on Disaster Management at NAC Campus, Hyderabad, India, from October 21-24, 2008.
- xii. Presented a paper on **“Influence Of Fibre Shape And Aspect Ratio On Strength Properties Of S.F.R.C”** in National Conference on Sustaining Technology For Advancement In Civil Engineering, at S.R.K.R.Engineering College, Bhimavaram during 24-26th, November 2005.

Project Proposals submitted for external Funding Agencies: Under consideration

- ❖ A Project Titled “**Geo-scientific Database Generation, Analysis And Conservation Of Guntupalli Caves And Enhance The Tourism Potential & Socio-economic Status In The Rural Area Of West Godavari Dist. A.P. India**” was applied to **ISRO** on 06-11-2016 for a grant of Rs **38,84,000** by Dr. P.A. Ramakrishna raju, as PI, Dr. P.Kodanda Rama Rao, as Co-PI and Dr. Satty Rama Krishna Reddy, Sri. A.H.L. Swaroop and Sri.G.T.N. Veerendra , Dr.ACSV Prasad, Sri P. Raghuram and Sri T.Rambabu as Invistigators.
- ❖ A Project Titled “**Mismanagement Of Land And Water Resources And Its Adverse Scenarios On Agriculture And Environment In The Highly Fragile Inter-deltaic Plain Of Krishna And Godavari, Andhra Pradesh, India**” was applied to **MHRD** on 23-07-2016 for a grant of Rs **38,68,230** by Dr. P.A. Ramakrishna raju, as PI, and prof. Subrahmnya Raju, Dr. P.Kodanda Rama Rao,, Sri P. Raghuram , Sri T.Rambabu Dr. Ch Chakrapani and N Haripavan as Co-PIs.

List of conferences, short term courses etc., organized / Participated: 21

- i. Participated in two day National convention on recent advances in infrastructure development organized by IEI Nagpur local center at Nagpur on 8-9 September 2019
- ii. Participated in one Week workshop on “**Stability Design of Steel Buildings**”, organized by Centre for Continuing Education, Indian Institute of Technology, Madras from 6th November to 11th November, 2017.
- iii. Organized Two week ISTE STTP on “**Introduction to Structural Engineering**” at Gudlavalleru Engineering College in Association with MHRD & IIT, Kharagpur during January 2016.
- iv. Organized Two day All India seminar on “**Recent Developments in Retrofitting, Repairs and Rehabilitation of Structures**” **11-12 July 2015 in Association with IE(I) Vijayawada Local centre** at Gudlavalleru Engineering College
- v. Participated in one week workshop on “**Introduction to Structural Engineering**” organized by IIT, Kharagpur during 27-03 october, 2015.
- vi. Participated in two week workshop on “**Fluid mechanics**” jointly conducted by Gudlavalleru Engineering College & IIT, Kharagpur on May, 2014.
- vii. Participated in one day seminar on “**Problems Associated with Geotechnics of Expansive Soils (PAGES)**” the seminar jointly organized by Department of Civil Engineering, R.V.R. & J.C College of Engineering and Indian Geotechnical Society, Chowdavaram, Guntur chapter held on 25th January, 2014
- viii. Participated in two week workshop on “**Engineering Mechanics**” jointly conducted by Gudlavalleru Engineering College & IIT, Kharagpur on 26th November to 6th December, 2013.
- ix. Participated in one day seminar on “**Earthquake Resistant Design of Structures**” on 2nd April, 2013 at V.R.Siddhartha Engineering College, Vijayawada.

- x. Participated in two day ISTE workshop on “**Aakash for Education**”, during 10th – 11th November, 2012 at National Institute of Technical Teachers Training and Research, Chennai.
- xi. Participated in two day workshop on “**Global Positioning Systems – Principles and Applications**”, during 29th – 30th September, 2011 at National Institute of Technical Teachers Training and Research, Chennai.
- xii. Participated in two weeks work shop on “**Coastal zone problems and their Remedies**”, during 26th April 2010 to 8th May, 2010, at National SD programme, GMRIT, Rajam.
- xiii. Participated in one week workshop on **Design of Steel Structures** Using IS 800-2007, during 25th – 30th January, 2010 at IIT – Chennai.
- xiv. Participated in AICTE Sponsored 3 Day National Seminar on “**Applications of Optimization Techniques in Mechanical Engineering**” during 18th - 20th January 2008 at Gudlavalleru Engineering College, Gudlavalleru.
- xv. Participated in 2 Day National Workshop on “**Robotics and Automation**” during 9th - 10th February, 2007 at Gudlavalleru Engineering College, Gudlavalleru
- xvi. Participated in the short term course on “**Instructional Design and Delivery**” organized by Gudlavalleru Engineering College, Gudlavalleru and NITTTR, Chennai, during 3rd–8th July 2006.(1-Week)
- xvii. Participated in One Day Workshop on **Environment and Pollution Awareness** sponsored by AICTE and organized by Lakireddy Balireddy College of Engineering, Mylavaram on 12th June 2004.
- xviii. Participated for an International Conference on “**Recent Trends In Concrete Technology And Structures**” conducted by “Kumara Guru College of Technology on 10 to 12th September 2003 at Coimbatore, TamilNadu. (3 Days)
- xix. Participated in the short term Intensive Course on “**Finite Element Methods**” Conducted by Department of Mechanical Engineering, Vignan’s Engineering College, Vadlamudi during 12th to 16th May 2003. (5 Days)
- xx. Participated in the short term course on “**Instructional Design And Delivery**” by Technical Teachers Training Institute organized by Gudlavalleru Engineering College ,Gudlavalleru from 21-04-2003 to 26-04-2003 (1 Week)
- xxi. Participated in the National Workshop on “**Structural Steel Design For University Faculty Sponsored**” by ministry of steel. Joint plant Committee, Steel authority of India ltd. And organized at the Department of Civil Engineering, Delhi College of Engineering – New Delhi from 14th to 20th December 2001.(1Week)

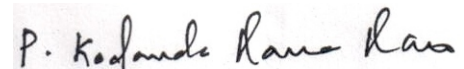
Training Programmes / Faculty Development Programme Attended: 9

- i. Participated in two days national convention of civil engineering on Recent advances in infrastructure development organized by Institute of Engineers(I), Nagpur local centre, Nagpur during 8th to 9th September.2018.

- ii. Participated one week faculty development programme on Design of structures - A Practical approach organized by Department of Civil Engineering Departments, GEC during 26th to 30th November 2018.
- iii. Participated in one week training programme on “**ANSYS**” organized by Department of Mechanical & Civil Engineering Departments, GEC during 22nd to 27th June 2015.
- iv. Participated in two day training programme on “**Technology Entrepreneurship**” programme on 28th & 29th March 2014 at Indian school of business, Gachibouli, Hyderabad.
- v. Participated in three day internal faculty development program on “**Engineering Drawing**”, during 22nd – 24th November, 2011 at Gudlavalleru Engineering College, Gudlavalleru.
- vi. Participated in the staff development programme on “**Emerging Technology in Civil Engineering for sustainable Development**” programme conducted at S.R.K.R., Bhimavaram from 26th – 30th December, 2006.
- vii. Participated in the short term training programme on “**Advancements In Concrete Technology**” sponsored by AICTE – ISTE, New Delhi organized by S.R.K.R.Engineering College ,Bhimavaram on 13th–24th December 2004.(2-Weeks)
- viii. Participated in the short term training programme on “**Advancements In Concrete Structures And Materials**” sponsored by AICTE – ISTE, New Delhi organized by S.R.K.R.EngineeringCollege ,Bhimavaram on 29th March to 3rd April 2004.(1 Week)
- ix. Participated in the short term training program under QIP on “**Fatigue And Fracture Related Life Prediction Techniques**” at the Applied mechanics & Mechanical Engineering Departments at Indian Institute of Technology madras, Chennai. From 27-11-2000 to 1-12-2000 (5-Days).

Consultancy & Research Activities:

Actively associated with various consultancy services like Testing of building materials in laboratories, Design of typical structures like multistoried buildings, Industrial buildings, and Designed more than 120 ONGC rig foundations, Krishna – Godavari Basin.



(P. KODANDA RAMA RAO)