

**Name: CHINTAGUNTI. VASUDEVA RAO**

**Designation: Associate Professor**

Department of Civil Engineering

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**1. Academic Qualifications:**

Qualification	Specialization	Institute/University	Year of Pass	Class	% of Marks
B. Tech.	Civil	JNTU, KAKINADA	1993	First	65.54
M. Tech.	Remote Sensing	AU College of Engineering Andhra University,	2000	First	64.00
PGD-RS&GIS	Remote Sensing	IIRS, Dehra Dun	2003	First	62.00
Ph.D.	Geo-Engineering	AU College of Engineering Visakhapatnam		Awarded on 6 <sup>th</sup> June 2016	
NPTL-Certificate	Digital-Image processing	IIT, Kharagpur	2018	First	65.00
NPTL-Certificate	Accreditation & Out Come based learning	IIT, Kharagpur	2019	First	56.00

**2. Professional Experience:**

S No	Designation	Place of Work	Period
1	Teaching Assistant	Dept. of Geo-Engineering, AUCE	2000-2002
2	Teaching Assistant	Dept. of Geo-Engineering, AUCE	2003-2009
3	Senior Research Fellow (UGC-programme)	Dept. of Geo-Engineering, AUCE	2009-2014
4	Teaching Associate	Dept. of Geo-Engineering, AUCE	2014-2016
5	Associate Professor	Aditya Institute of Technology and Management, Tekkali	June 2016-July 2017
6	Professor	Aditya Institute of Technology and Management, Tekkali	1 <sup>st</sup> July 2017-Dec 2022
7	professor	Sri Venkateswara College of Engineering & Technology	Jan 2023-Till date

**3. Administrative Experience:**

S.No	Designation	Place of Work
1	Department level IQAC coordinator	AITAM, Tekkali
2	Department consultancy coordinator	AITAM, Tekkali
3	GIS Laboratory In-charge	AITAM, Tekkali
4	Worked as NBA coordinator	AITAM, Tekkali
5	Department level R&D coordinator	AITAM, Tekkali

- 4. Fields of Research Interests:** GEO-SPATIAL TECHNOLOGY using RS and GIS, Ground water development and Management, Water Resource engineering. Geo-Technical Engineering, Digital Image processing, Surveying, Total station, Auto CAED, Building Estimation and quantity surveying, Computer Graphics. Building Materials & Construction, Environmental Management, DisasterManagement.

Ratified as Assistant professor by JNTU Kakinada

Ratified as Associate professor by JNTU Kakinada date: 07-04-2022

- 5. Memberships:** IEI: **F-1239704**, ISG: **L-1405**, ISTE: **LM-124643**, ISRS: **L4918**

- 6. Membership in Committees:** Board of studies; Discipline committee

**8. Academic Profile:**

1. **Specialization :** Remote sensing and GIS, water Resources Engineering

2. **Research Projects :**

3. **Titles of the Thesis Works:** Geospatial Based Study for Sustainable Soil and Water Resources Development in G. Madugula Tribal Mandal, Visakhapatnam District, Andhra Pradesh, India

**4. Publications:**

1. B.S.prakasa Rao, V.Venkateswara Rao, E.Amminedu, M.Satya Kumar, V.Venkateswara Rao, D.Ramprasad Naik and **Ch. Vasudeva Rao** IRS-1C/1D WIFS studyon Interlinking of rivers in Peninsular India, Journal of Applied Hydrology, Vol. XX1, No. 3&4, PP:106-115. **2008**.
2. A.Simhachalam, P.Kesava Rao, E.Amminedu, V.Madhava Rao, B.S.Prakasa Rao, R.Herman, **Ch.Vasudeva Rao** and N.Bhaskara Rao. High resolution satellite data for Optimal Land Use Planning at Cadastral Level using Remote Sensing and GIS Techniques- A case study of Malkapur and Kummera Villages, Chevella Mandal, Rangareddy District, Andhra Pradesh. Journal of the Indian Geo- Physical Union,Vol. 14, No.4, PP. 249-258, **2010**.
3. E. Amminedu, K. Hari Krishna, **Ch. VAsudeva Rao**, G. Jaisankar and V.Venkateswara Rao, Morphometric analysis of the Vamsadhara River Basin using Spatial Information Technology, International Journal of Civil, Structural,Environmental and Infrastructure Engineering Research and Development (IJCSEIERD), ISSN 2249-6866, Vol. 3, Issue 3, PP 77-86, Aug **2013**
4. E.Amminedu, K.Hari Krishna, K.Ravi Kumar, **Ch. VAsudeva Rao**, G. Jaisankar and V. Venkateswara Rao. An integrated approach for Environmental Impact Studies on Soil Erosion in Vamsadhara River Basin, India, International Journal of Advanced Research, ISSN 2320-5407, Vol. 1, Issue 5, PP:366-371. **2013**
5. **Ch. Vasudeva Rao**, K. Hari Krishna, B.Rajya Lakshmi, E. Amminedu, G. Jaisankar and V. Venkateswara Rao. Studies on Land Use/Land Cover and Change detection of G. Madugula Tribal Mandal of Visakhapatnam District, Andhra Pradesh, India–Using Remote Sensing and GIS Techniques International Journal of Advance Research in Science and Engineering, ISSN 2319- 8354(E), Vol. 3, Issue No 9, Sept **2014**, PP:245- 253.

6. **Ch. Vasudeva Rao**, G. Ashenafi Tolessa, and E. Amminedu, Erosion risk Identification study using RUSLE Model in G. Madugula Mandal, Visakhapatnam aDistrict, A.P., India European Academic Research, ISSN 2286-4822, Vol. 2, Issue 9, PP:12246-12260, Dec2014.
7. Ch. Venkateswara Rao, M.Ravi Sankar and **Ch. Vasudeva Rao**. Spatial distribution of ground water quality parameters using geographic information system(GIS) in and around Rajahmundry, Andhra Pradesh, Journal of Applied Hydrology, Vol.XXV11, No.1 to 4, PP:42-51, Jan-Dec 2014.
8. **Ch. Vasudeva Rao**, K.Harikrishna,E.Amminedu, G.Jai Sankar and V.Venkateswara Rao. Morphometric analysis of sub-watersheds in the G.Madugula Mandal of Visakhapatnam District, Andhra Pradesh, India-using Remote Sensing and GIS Techniques. International Journal of Earth science and Engineering; PP: 104-112, June, 2015.
9. Surya prakasa Rao.B, Bhaskara Rao.N, **Vasudeva Rao.Ch**, Srinivas.N. The impact assessment of proposed link canals from Krishna to Pennar river basins using IRS-P6 data, Journal of Applied Hydrology, Vol. XXV11, No. 1to4,pp74-87 Jan-Dec., 2015.
10. Dr. Ch. Kannam Naidu, sri. S.Ramlal and **Dr.Ch. Vasudeva Rao**, GIS for analyzing pumping Tests and wells Data for Assessing Groundwater Prospects of Pedda Kedari Reserve Forest, Srikakulam. AP. International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, pp. 15682-15692. 24Nov2017.
11. Dr. Ch. Kannam Naidu, **Dr.Ch. Vasudeva Rao** and, Sri. S.Ramlal, Remote sensing, GIS and SCS curve number Techniques for estimating the runoff of pedda kedari reserve forest, Tekkali, Srikakulam, AP. International Journal of Civil Engineering and Technology (IJCET), Volume 8, Issue 5, pp.428-443, May 2017.
12. Dr. Ch. Kannam Naidu, **Dr.Ch. Vasudeva Rao**, Dr.G.Venkata rao and Sri. A.Y.D.T.Akhilesh, Experimental Study on M30 Grade Concrete with Partial Replacement of cement with Egg Shell Powder. International Journal of Civil Engineering and Technology (IJCET), Volume 9, Issue 5, pp.575-583, May 2018
13. Dr.Ch. Kannam naidu, **Dr.Ch. Vasudeva Rao** and Dr. T. V. Madhusudhana Rao “land use and land cover classification for Visakhapatnam using fuzzy c means clustering and adaptive neuro-fuzzy inference system” International Journal of Civil Engineering and Technology (IJCET) Volume 10, Issue 1, pp.382-395, January 2019.
14. Dr. Ch. Kannam Naidu, S.Ramlal and Dr. Ch. Vasudeva Rao. Runoff estimation of mini watershed of peddakedari reserve forest, Tekkali, srikakulam, AP using remote sensing, GIS and SCS curve number techniques. IJCET, Vol. 10, Issue 01, PP:1999-2013, ISSN online:0976-6316. Jan2019
15. Progressive Collapse Analysis of Multi Storey (G+10) Building by Staad Pro. using Column Removal, Dr. Ch.VasudevaRao, Surapu Ramlal, PonnanaRamprasad Int. J. of Innovative Technology &Exploring Engineering(IJITEE) vol. 9 (2),pp 554-565Dec2019,

**16.** Strength Behavior of M25 Grade Concrete Mixed with Two Artificial Fibers in Both Curing and without Curing Condition, Ch. Vasudevarao, G.GOWRI SANKARA RAO, SAIKRISHNA IPPILI, Journal of Critical Reviews vol.7 (14), pp2546-2552, **2020**

**17.** GIS, GPS And Dumpy Level Survey for Estimation of Runoff By SCS-CN Method For VIIT Campus, Visakhapatnam, AC Dr. Ch. Kannam Naidu,Dr. Ch. Vasudeva Rao Turkish J. of Computer and Mathematics Education,vol.12 (7),pp146-156, **2021**

**5. Books (Published/ Edited):**

**6. Doctoral (PhD) Theses Guided / Guiding:**

**7. M.E / MTech (Thesis Works) Guided:**

**8. Project Works Guided (For B.E. (Civil-Engg students):**

S.No	Title of the Project work	Name of the Students	Year
1	Land use/Landcover Mapping using GPS, RS and GIS technologies, A case study of AITAM college, TEKKALI, AP.	M. Madhu Bhavani Sankar, (13A51A0171) P. Hemanth Kumar, (13A51A0186) S. Venkatesh (13A51A01B7) U. Naveen (13A51A01C2) V. Kiran Kumar(13A51A01C4) P. Kiran Kumar(13A51A0188)	2016-17
2	Identification of aquifer by Electrical Resistivity Method and using RS and GIS	B. Srinivas Rao (15A55A0103) CH. Udaykumar, (14A51A0119) J. Sanjeeva Rao(14A51A0142) A. Soma Sekhar(15A55A0101) K. Satish, (14A51A0149)	2017-18
3	Landuse/Landcover evolution by using Geo-Spatial approach- A case study on Peddagedda watershed, Srikakulam dt.	T. Naresh(15A55A0129) P. Swetha, (14A51A0192) P. Gunasagar, (14A51A0186) N. Vamsi Krishna, (14A51A0172) S. Hari prasad, (15A55A0126)	2017-18

## 9. Training Programme/FDP Attended:

S.No	Title of the Programme	Sponsored By	Period
1	Continuing education & quality improvement programme- on geospatial technology and applications at IIT, Bombay	DST	18-19 Sept 2006
2	Applications of RS&GIS for coastal resources management Dept of Geo-Eng, A.U	DST	1 <sup>st</sup> -15 <sup>th</sup> July 2007
3	Training course on Storm Water Modelling in Urban Areas	DRC NIH	27-28 Sept 2012
4	Training course on Aquifer Information System and Aquifer Management Plan	CGWB	28 Jan - 1 Feb 2013
5	A Three week training programme on Geospatial data and its applications	DST-NRDMS AITAM	22 Sept to 12 <sup>th</sup> Oct 2014
6	Training programme on Water Management – Jal kranti-Abhiyan	CGWB	29 Sept 2015
7	Pedagogy and Management Capacity Enhancement Program for Teaching Staff	AITAM, Tekkali	23-25 June 2016
8	Conservation and Management of water resources	Dept.of Civil Eng., A.U	18 Aug 2016
9	Recent development In Structural Engineering	AITAM, Tekkali	17-22 Oct 2016
10	FDP on Digital Image Processing	NPTL-AICTE	Jul-oct 2018
11	FDP on Digital Land Surveying	IIT, Roorkee	3-7 june 2019
12	AutoCAD Workshop 2019-20	AITAM, Tekkali	15-20 july 2019
13	FDP on Ductility and Seismic Designs of Civil Engineering Structures	AITAM, Tekkali	11-16 oct 2021
14	FDP on Advanced Methods in Exploration of Ground Water	AITAM, Tekkali	2-7 May 2022

## 10. Inter National and National Conferences/Seminar/workshops Participated/Presented:

1. Natural Hazards and Disasters: Local to Global Perspectives, At Dept of Geography, Sri Krishnadevaraya University, Anantapur -515003. November 25-27, **2006**.
2. National Workshop on Data Engineering held at Dept of Computer Science & Systems Engineering, College of Engineering (Autonomous), Andhra University, Visakhapatnam-530003, 29-30 November-**2006**.
3. **Paper presented** in International conference on “Fast track construction of Bridges for Important projects” Hyderabad, India. 23-25 February**2007**.
4. National Seminar on Consumer protection in the new millennium: Law and policy held at T.L.N Sabha Hall, Organized by Dr. B. R. AMBEDKAR COLLEGE OF LAW, A.U. Visakhapatnam-530003, 19-20 February-**2007**.
5. Workshop on “Geotechnical Challenges in Civil Engineering Projects” Organized by the Dept of Civil Engineering in Association with Indian Geotechnical Society, A.U. Visakhapatnam-530003, October 1-2, **2007**.

6. **Paper Presented** in International Conference on Ground water Dynamics & Global change - Organized by University of Rajasthan, Jaipur. Urban Run – off Management through Rainwater Harvesting – A Case Study of Visakhapatnam City, 19 – 22 March **2008**.
7. **Paper Presented** International Conference on Ground water Dynamics & Global change Organized by University of Rajasthan, Jaipur. Ground Water Targeting in Hard Rock Areas of Orissa and Chattishgarh – A Case Study, 99-22 March **2008**.
8. National Seminar on “Problematic Soils – Geotechnical Solutions (PSGS)” Organized By Dept of Civil Engineering, A.U. College of Engineering, Visakhapatnam-530003, October 1- 2, **2008**.
9. **Paper Presented:** Satellite Based Assessment of Infrastructure of a Tribal Mandal Visakhapatnam District, Andhra Pradesh, A case study. Organized by Indian Geophysical Union, 45th Annual convention and meeting at Banaras Hindu University, Varnasi, U.P. INDIA, 5-7 November-**2008**.
10. Workshop on “Deep Foundations – Related Issues” sponsored by Technical Education Quality Improvement programme, Organized by Dept of Civil Engineering, A.U College of Engineering (Autonomous), 15th March-**2009**.
11. National Seminar on “Solid and Hazardous Wastes Management for Safety, Health & Environment” Organized by Dept of Environmental Sciences, Andhra University, Visakhapatnam-530003, 16-17 March-**2009**.
12. Workshop on Familiarization of Remote Sensing and Geographic Information System Techniques for Natural Resources and Environment Management organized by Dept of Geo-Engineering, College of Engineering, Andhra University, 28-29 March-**2009**.
13. National Workshop on Advances in Water and Waste water Management, Organized by Dept. of Civil Engineering College of Engineering, Andhra University (A), Visakhapatnam-530003, 30th April-**2009**.
14. National Workshop on Sustainability of Groundwater Resources and its indicators, organized by the Department of Geophysics, A.U, Visakhapatnam. during 28-29 June, **2010**
15. National conference on Geosciences and Water Resources for Sustainable Development organized during 11-12 February, **2011** by the department of Geophysics, A.U, Visakhapatnam.
16. Seminar on Socio-Economic, Cultural and Political development of Tribes in Andhra Pradesh, organized by Dept. of political Science, Osmania University, Hyderabad -**2012**.
17. Seminar on “Geotechnical Engineering Significance in Urban Infrastructure Projects” Organized by IGSC, Dept of Civil Engineering, A.U, on October 2, **2015**.
18. Seminar on “Geotechnical Challenges in Developing Coastal Cities” organized by IGSC, Dept of Civil Engineering, A.U. College of Engineering(A), on March 5-6, **2016**.
19. two-day national seminar on “Geo-Informatics Applications in Natural resources Management” held at NIRD&PR, Hyderabad, 18-19March-**2016**

20. State level workshop on “Conservation and Management of water resources” organised by Dept of civil Eng, A.U 18Aug-**2016**
  21. One Day Workshop on Intellectual Property Rights & Innovations at AITAM, TEKKALI on 2<sup>nd</sup> Feb-**2017**.
  22. Two-day national workshop on recent trends in GIS with special reference to mobile GIS and Crowdsourcing conducted by Dept. of Geo-Engineering, A.U, Visakhapatnam 27-28 Feb-**2017**.
  23. One day workshop on “Geospatial technology: present and future trends” conducted by Dept of Geo-Engineering, A.U 17<sup>th</sup> July **2017**
  24. Two-day national seminar on “Recent Innovations in Civil Engineering” at AITAM Campus. Tekkali, 7-8 Dec**2017**.
  25. Two-day national workshop on “GIS and its Applications in civil Engineering” at VIIT Campus 16-17 March-**2018**.
  26. One day awareness programme on Intellectual property rights and patents on 8<sup>th</sup> June-**2018**, AITAM, Tekkali.
  27. Two-day national workshop on Role of “Remote sensing in GIS in Health Management” Organised by Dept of Geo-Engineering, A.U. Visakhapatnam August 13-14, **2018**.
  28. Two-day national workshop on out come based Education on 13<sup>th</sup> &14 july,2019 Organised by AITM college, Tekkali **2019**.
  29. 35<sup>th</sup> Indian Engineering Congress held in virtual mode, 18-20Dec**2020**
- 11. Consultancy:** Ground water potential Identifications, Geo-technical investigation, Geotagging-Asset mapping of panchayat buildings, Total station surveying planning and Estimations. Building plan with AUTOCAD.
- 12. Social Commitments:** To motivate and encourage the student community.