

CURRICULUM VITAE

- 1. NAME** : **Dr. K. RADHAKRISHNAM RAJU**
- 2. QUALIFICATION** : Ph.D.
- 3.** a) Date of Birth : September 4th, 1950.
b) Country & Place of Birth : INDIA, VODURU, W.G.Dt, A.P.
c) Present address : Dr. K.R.K. RAJU
Professor Emeritus
& Research Scientist
Department of Civil Engineering
S.R.K.R.Engineering College
Chinamiram, Bhimavaram, W.G.Dt.
A.P., 534 204.
E mail: krkraju49@gmail.com
d) Sex : Male
e) Marital Status : Married – Two Children
- 4.** a) Citizenship at Birth : INDIA
b) Present Citizenship : INDIA

5. EDUCATIONAL QUALIFICATIONS:

<u>S No.</u>	<u>College / University</u>	<u>Degree</u>	<u>Year</u>
1	National Institute Of Technology, Warangal Kakatiya University, A.P.	Ph.D. Civil Engineering <i>“Integrated ground water studies and evaluation of infiltration structures in the Arpa river basin, Bilaspur dt. M.P, India.”</i>	1989
2	College of Science & Technology, Andhra University Visakhapatnam.	M.Sc. (Tech) Geophysics	1974

- 6. LANGUAGE** a) Telugu : Mother Tongue
b) English : Sound knowledge
c) Hindi : Sound knowledge
d) Kannada : Working knowledge

- 7. PRESENT STATUS** : Professor Emeritus
& Research Scientist
Department of Civil Engineering
S.R.K.R.Engineering College
Chinamiram, Bhimavaram,
W.G.Dt. A.P., 534 204.

8. RESEARCH EXPERIENCE : 30 years

a) Ph.D. Guidance / Support

<u>S No.</u>	<u>NAME</u>	<u>TITLE</u>	<u>Year</u>
1	P A Ramakrishna Raju	Hydrochemical study of shallow ground water environment and prediction of water quality in the coastal tracts of west Godavari district, A P.	1990
2	B.Janardhana Reddy	Evaluation of the qualitative aspects of water resources and land use pattern in West Godavari District, A.P., India.	1993
3	M.Jagapathi Raju	Integrated ground water studies and evaluation of alluvial aquifers in Pennar River Basin Nellore District, A.P., India.	1997
4	K S V Prasada Raju	Remote sensing and GIS based hydrogeological studies of Krishna-Godavari basin divide near Hyderabad, A.P, India.	2002
5	A.Subrahmanyam Raju	Integrated Remote Sensing and GIS Based Geoenvironmental studies for the evaluation management and treatment of a microwatershed, Nalgonda District, A.P., India.	2003
6	D.Dhar	Geo environmental evaluation of Katol area, Nagpur district through Remote Sensing and GIS.	2004
7	S.R.K.Reddy	Integrated geotechnical studies – Dynamic response of civil structures in and around Hyderabad & Secunderabad urban environment. A.P. India.	2005

b) Publications / Papers

<u>S No.</u>	<u>TITLE</u>	<u>JOURNALS</u>
1	Role of Hydrogeological setup in the yield of wells in granite terrain – case history of Nizamabad, warangal and Hindupur areas	International ground water work shop – Hyderabad - 1989

2	Delineation of Paleochannels by Remote Sensing Techniques.	ICORG – Hyderabad-1994
3	Hydrofluorosis – a built in environmental hazard	Proceedings of the xxix congress of international association of hydrogeologists – Slovakia.
4	Remote Sensing Applications for the evaluation of water resources in a rainfed area, warangal district, Andhra Pradesh.	Journal of the mineralogical society of India. Vol-34,2000.
5	Delineation of fluvial and fluviomarine deposits of Penner river near Nellore for ground water resources using satellite remote sensing techniques.	National Seminar on coastal evaluation, Processes and Products and xvii convention of Indian association of sedimentologists. Kochi, Kerala.
6	Remote Sensing and GIS based hydrogeomorphological studies of Krishna-Godavari basin divide near Hyderabad, India.	Geoinformatics 2000, National Conference on Geoinformatics , Coimbatore.
7	Role of Remote Sensing and conventional data sets for the evaluation of land and water resources of a micro watershed of Nalgonda district, Andha Pradesh.	Special volume on watershed management Indian Association of Hydrologists. Vishakapatnam.
8	Integrated Remote Sensing based natural resources evaluation studies of Kothapalli micro watershed Rangareddy district, Andhra Pradesh.	ISRS – Annual convention and Symposium on Spatial Technologies for natural Hazards management. IIT Kanpur.
9	Integrated Remote Sensing Studies for development of Brackish water agriculture along coastal tracts – A case study	Second Thematic conference Remote Sensing for marine and coastal Environments. New Orleans, Louisiana, USA.
10	Environmental explosive threat to Kolleru lake and coastal tracts of West Godavari and Krishna Districts, A.P.	National seminar on Hydrology at Hyderabad Conducted by JNTU
11	Integrated remote sensing based terrain evaluation – A factor for seismic response of structures.	12 SEE – 2002 Dept. of Earthquake Engg IIT. Roorkee, Jharkhand, India.
12	Influence of Soil – Structure Interaction on Response of Structures against Earthquake forces	National seminar at Department of Earthquake Engineering, Roorkee.
13	Remote Sensing and GIS techniques for sustainable development of natural resources with special reference to Godavari Basin – One day seminar on utilization of Godavari waters in the new millenium.	Department of Civil Engineering S.R.K.R Engineering College, Chinna-Amiram, Bhimavaram, W.G.DT., A.P.
14	Space technology for natural resources and special emphasis on disaster management – One day seminar on “Earthquake and Tsunami effects on Structures and related aspects”	Department of Civil Engineering S.R.K.R. Engineering College, Chinna-Amiram, Bhimavaram.

15	Evaluation of land and water management systems of Kolleru lake and its adverse affects on fragile coastal geo-environment using spatial Information techniques” is presented in national Conference on Scientific strategies for protection and preservation of wetlands in India, School of Environmental Sciences, JNU, New Delhi, 11-12 th Jan, 2010	Presented in national Conference on Scientific strategies for protection and preservation of wetlands in India, School of Environmental Sciences, JNU, New Delhi, 11-12 th Jan, 2010
16	The perennial flood hazard of Yerrakalava in West Godavari District, Andhra Pradesh- An integrated Geo-Scientific study	Presented at National Seminar on GWRSD held at Andhra University, Visakhapatnam, 11 th and 12 th February, 2011
17	Effects of salt water Contamination on poultry form in Coastal Tracts of West Godavari District-A case Study	Presented in National Conference on Emerging trends in Advanced Biology-2011, Adikavi Nannaya University, Rajahmundry, 24 th -25 th March -2011
18	Integrated Geoenvironmental evaluation for sustainable development on Watershed basis using Remote Sensing, GIS and Conventional data sets of upland area of West Godavari and part of Khammam districts, A.P.	Presented at XXIX AHI national seminar on HYDROLOGY held at Dr.B.R Ambedkar University, Srikakulam on from 15 th -17 th July 2011
19	Spatial Database Generation on Lithology, Structure and Geomorphology of Northern part of Kolleru-Upputeru catchment using remote Sensing and GIS Techniques.	presented at Annual Convention on Geo-Spatial Technologies & Applications, Geo Summit-2011, held at Satyabama University, Chennai on July 27 th -29 th , 2011.

c) Research projects as a Co-investigator

	Year	Project Title	Amount received
1	2005 - 2008	Integrated Geo- Environmental evaluation for sustainable development on watershed basis using remote sensing, GIS and Conventional data sets. Sponsored by NRDMS, DST, New Delhi.	Rs.20.45 lakhs
2	2007-2009	Evaluation of land and water management systems of Kolleru lake and its adverse effects on fragile coastal geoenvironment using spatial information techniques sponsored by SERC, DST, New Delhi	Rs.9.52 lakhs

d) Research project as a Research Scientist

2009- 2012	Spatial Data base Generation on Lithology, Structure, Geomorphology of Northern part of Kolleru - Upputeru catchment using Remote sensing and GIS techniques. Sponsored by NRDMS, DST, New Delhi.	22.06 lakhs
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e) Training for Students

<u>S No.</u>	<u>YEAR</u>	<u>INSTITUTE</u>	<u>PROGRAMME</u>
1	1993	SRKR Engineering College, Bhimavaram.	Project study for the award of degree of Bachelor of Civil Engineering.
2	1997	SRKR Engineering College Bhimavaram.	Project study for the award of degree of Bachelor of Civil Engineering.
3	1999	SRKR Engineering College Bhimavaram.	Project study for the award of degree of Bachelor of Civil Engineering.
4	1999	Geology Department, Osmania University.	Project study for the award of degree of M. Sc Tech.Geology.
5	2000	REC Warangal	Project study for the award of degree of M.Tech. in Remote Sensing and GIS.
6	2000	SRKR Engineering College Bhimavaram.	Project study for the award of degree of Bachelor of Civil Engineering.
7	2001	REC Warangal	Project study for the award of degree of M.Tech. in Remote Sensing and GIS.

Membership : 1. Indian Society of Remote Sensing (ISRS)
2. Indian Geophysical Union (IGU)

9. PROFESSIONAL EXPERIENCE : 33 years

a) Remote Sensing Studies :

<u>S.No</u>	<u>YEA R</u>	<u>NAME OF THE PROJECT</u>	<u>ORGANIZA TION</u>	<u>THEME / NO. OF MAPS/ TOPOSHEETS</u>	<u>DISTRICTS/ STATES COVERED</u>
1	1996	Integrated Mission for Sustainable Development (IMSD)	APSRAC Hyderabad	Multi thematic mapping 6 sheets	Jangaon, Cherial and Ghanpur blocks of Warangal District of Andhra Pradesh.

2	1995	Rural drinking water supply World Bank Project	Kirloskar Consultants , Pune.	210	Raichur, Bidar, Gulerga, Bellary and Shimoga Districts of Karnataka.
3	1996	Netherlands Assisted Project	APSRAC Hyderabad	Hydrogeo- Morphology & land use/ land cover. 20 sheets	Entire Nalgonda District of Andhra Pradesh
4	1997	Integrated Mission for Sustainable Development (IMSD)	APSRAC Hyderabad	Multi thematic mapping 6 sheets	Zaheerabad and Narayanakhere blocks of Medak District of Andhra Pradesh.
5	1997	IMSD	APSRAC Hyderabad	Hydrogeo- Morphology & slope 7 sheets	12 Mandals of Karimnagar District of Andhra Pradesh.
6	1998	IMSD	APSRAC Hyderabad	Hydrogeo- Morphology & slope 6 sheets	Jammalamadugu, Muddanuru, Kamalapuram, Lakkireddipalli and Rayachoti blocks of Cuddapah Districts of Andhra Pradesh.
7	1998 & 1999	Disaster Management Information System (DMIS) World Bank Project	Maharastra Remote Sensing Applications Centre [MRSAC] Nagpur	Hydrogeo- Morphology & land use/ land cover. Entire districts <u>270 sheets</u>	Ratnagiri, Kolhapur Sangli, Satara, Beed, Solapur, Osmanabad, Aurangabad and Latur Districts of Maharashtra.
8	1998	Urban Drinking Water Supply	APSRAC Hyderabad	Hydrogeo- Morphology 3 sheets	Koratla, Sirisilla and Jagityal towns of Karimnagar district, Andhra Pradesh.
9	2001	Subsurface Brine Exploration	Padma Chemicals	Hydrogeo- Morphology 1 sheet	Kanchipuram and Villupuram districts of Tamilnadu.

10	2004	Updation of Water bodies / Wasteland maps	NRSA, Hyderabad	43 Sheets	Ghaziabad, Bulandshar, Badaun, Etah, Mathura, Gauthambudhnagar, Agra, Aligarh, Mahamaya nagar, and Firozabad districts of Uttar Pradesh.
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b) Urban Land use

Aerial Photo interpretation

<u>S.No</u>	<u>Year</u>	<u>NAME OF THE PROJECT</u>	<u>ORGANIZATION</u>	<u>NO OF MAPS / TOPOSHEETS</u>	<u>DISTRICTS/ STATES COVERED</u>
1	1991	Dwaraka Project	NRSA Hyderabad.	72 Sq. Km. 1:1500 and 1:4000 scales	Delhi City and its Environs.
2	1993	Urban Land Use	NRSA Hyderabad.	91 Sq. Km. 1:2500 scale	Vasai – Virar area, Bombay.
3	1993	Urban Land use	BRSAC Patna	5 sheets 1:10000 scale	Khagariya, Jamalpur, Ara, Dharbanga and Munger towns of Bihar state.

**c) Watershed resources evaluation
Remote Sensing and GIS Analysis**

<u>S.No</u>	<u>Year</u>	<u>Name of the Project</u>	<u>Organization</u>	<u>Theme / No. of Maps/ Toposheets</u>	<u>Districts/ States Covered</u>
1	1999	National Watershed Development Project for Rainfed Areas [NWDPRRA]	APSRAC Hyderabad	Multi thematic mapping	11 Watersheds in Nalgonda district, Andhra Pradesh.
2	1999	NWDPRRA	APSRAC Hyderabad	Multi thematic mapping	10 Watersheds in Warangal district, Andhra Pradesh.

d) Ground water prospects maps
Remote Sensing and GIS Analysis

<u>S. No</u>	<u>YEAR</u>	<u>NAME OF THE PROJECT</u>	<u>ORGANIZATION</u>	<u>NO. OF MAPS/ TOPOSHEETS</u>	<u>DISTRICTS/ STATES COVERED</u>
1	1999 to 2004	Rajiv Gandhi National Drinking Water Mission [RGNDWM]	NRSA Hyderabad	94 sheets	<p>Khammam, West Godavari, Krishna Districts of Andhra Pradesh.</p> <p>Kolar, Bangalore, Hassan, Chikmaglore, Mysore, South Kenera, Mandya, Tumkur of Karnataka.</p> <p>Bastar, Raipur, Durg Balaghat, Rajanandagaon and Seoni districts of Madhya Pradesh.</p> <p>Lohardaga, Gumla and Palamu districts of Jharkhand.</p> <p>Himachal Pradesh</p> <p>Junagadh, Rajkot and Jamnagar districts of Gujarat.</p>

e) Environmental studies
Remote Sensing Techniques

<u>S. No</u>	<u>NAME OF THE PROJECT</u>	<u>ORGANIZATION</u>	<u>DISTRICTS/ STATES COVERED</u>
1	VCP- Petroleum Pipeline.	IOCL – New Delhi and NRSA, Hyderabad.	Gujarat, Rajasthan and Haryana States.
2	MDAJ Hookup, Petroleum Pipeline.	IOCL – New Delhi and NRSA, Hyderabad.	Haryana State
3	Land use / land cover assessment study of LPG import terminal project site and environs.	IBP Caltex Limited, New Delhi and Engineers India Limited, Gurgaon, Haryana.	Haldia. West Bengal.

4	Free catchment zonation and development of biofilters in Osmansagar and Himayatsagar.	A P Pollution Control Board and NRSA, Hyderabad.	Hyderabad and Secunderabad, Andhra Pradesh.
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**f) Watershed Delineation
National watershed Atlas guidelines**

<u>S. NO</u>	<u>NAME OF THE PROJECT</u>	<u>ORGANIZATION</u>	<u>NO. OF MAPS/ TOPOSHEETS</u>	<u>DISTRICTS/ STATES COVERED</u>
1	Micro- watershed delineation	APSRAC Hyderabad	About 500 sheets Entire Krishna basin and entire Andhra Pradesh	Karnataka, Maharashtra and Andhra Pradesh states.
2	Micro- watershed Delineation	NRSA Hyderabad	102 sheets	Bhind, Datia, Gwalior, Shivapuri, Kalan, Ujjain, Shoopur and Morena districts of M.P.
3	Digitization of water bodies and drainage and integration with watershed layer	NRSA Hyderabad	180 sheets	Jharkhand and Westbengal states.

g) Hydrogeological and Geophysical Surveys

i) Agricultural Purpose

<u>S. NO</u>	<u>NAME OF THE PROJECT</u>	<u>ORGANIZATION</u>	<u>DISTRICTS/ STATES COVERED</u>
1	Ground water survey	DRDA, DPAP,	Cuddapah, Karimnagar, Warangal, Karnool, Mehaboobnagar, Anantapur, Khammam, Medak, Vishakhapatnam and East Godavari districts of A.P.
2	Ground water survey	Voltas, Bangalore	Dharwar district, Karnataka.
3	Ground water survey	Several individual farmers about 15,000 investigations	Covering various states including Andhra Pradesh, Karnataka, Orissa and Maharashtra.

ii) Industrial Purpose

<u>S. NO</u>	<u>NAME OF THE PROJECT</u>	<u>ORGANIZATION</u>	<u>DISTRICTS/ STATES COVERED</u>
1	Water supply For Paper industry (4.5 mgd)	Brook Bond India Ltd.	<i>Bilaspur district, Madhya Pradesh</i>

2	Water supply For Paper industry [6mgd].	Circar Paper Mills.	Nellore district, Andhra Pradesh.
3	Water supply For Cement industry	JK Cements, New Delhi. JP Rewa Cements, New Delhi.	Rahjasthan . Madhya pradesh.
4	Water supply	Karnataka Aggro-corn Products ltd. Bangalore, Godavari sugars ltd. Maharastra, APIIC, Hyderabad, HAL, IDPL,NRSA, BHEL, IDL, ECIL of Hyderabad and several small industries.	Karnataka, Maharastra, and Andhra Pradesh.

iii) Drinking Purpose

<u>S. NO</u>	<u>NAME OF THE PROJECT</u>	<u>ORGANIZATION</u>	<u>DISTRICTS/ STATES COVERED</u>
1	Rural Drinking water supply	DPAP	Warangal, Ranga Reddy, Nalgonda, Anantapur, Karnool, Chittor and Cuddapah districts.
2	Water supply for Railway Stations.	South Central Railway	Karnataka, Goa, Maharastra and Andhra Pradesh.
3	Drinking water	Individual house holdings. About 10000 investigations	Andhra Pradesh and Karnataka.

h) Mineral Investigations

<u>S. NO</u>	<u>NAME OF THE PROJECT</u>	<u>ORGANIZATION</u>	<u>DISTRICTS/ STATES COVERED</u>
1	Limestone exploration	Priyadarshani Cements	Andhra Pradesh
2	Limestone exploration	South India cements	Karnataka

i) Foundation Studies

<u>S. NO</u>	<u>NAME OF THE PROJECT</u>	<u>ORGANIZATION</u>	<u>DISTRICTS/ STATES COVERED</u>
1	Diamond core drilling Satnala project.	Irrigation development corporation.	Adilabad district, A.P.

2	Diamond core drilling For tunnel purpose.	Irrigation development corporation. Vishakapatnam.	Vishakapatnam district, A.P.
3	Diamond core drilling For bridges.	R & B and National High Ways. Hyderabad.	Adilabad, Medak and Nalgonda Districts, Andhra Pradesh.
4	Geophysical Surveys for bridge site locations.	R&B. Khammam.	Khammam district.

Rajiv