

CURRICULUM - VITAE

Dr. GANESH K.M.

Professor

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Educational Qualifications

Ph.D	:	Awarded on 18-02-2011, Andhra University, Visakhapatnam. entitled "A study on Geology, Hydrogeology and Quality of Fluoride bearing Groundwater regime from parts of Nalgonda district, A.P., India, using Remote Sensing and G.I.S. Tools." Engg. Geology.
P.G.	:	Engg. Geology, Acharya Nagarjuna University, University campus, Nagarjuna Nagar, Guntur Dist.

Area of Specialization	:	Hydrogeology.
Research Interests	:	Remote sensing and G.I.S., and Groundwater modeling,

Teaching Experience

Teaching Experience within college : **3 Years 4 Months**

Total Teaching Experience : **28Years**

B.Tech Projects Guided : 09

UNIVERSITY RATIFICATIONS:

1. Ratified as **Professor** by JNTUK, Kakinada on 04-11-2017.
2. Ratified as **Associate Professor** by JNTUK, Kakinada on 08-02-2012
3. Ratified as **Assistant Professor** by JNTUK, Kakinada on 12-06-2010.
4. Ratified as **Lecturer** by Andhra University, Visakhapatna on 12-11-1994.

Research Experience: 12 Years

Administrative Experience: (Positions Held)

1. **HOD** of Civil Engineering, Swarnandhra College of Engineering and Technology, Narsapur, during 2010 to 2016
2. **Chairman**, BOS, Department of Civil Engineering, Swarnandhra College of Engineering and Technology, Narsapur
3. **Member, Academic Council**, Swarnandhra College of Engineering & Technology, Narsapur
4. **Member** in NAAC and College Autonomous Status related works, Swarnandhra College of Engineering & Technology, Narsapur
5. **Member in** NAAC and College Autonomous Status related works, K.G.R.L.College, Bhimavara.
6. **Member** in NBA activities in Swarnandhra College of Engineering and Technology, Narsapur
7. **HOD** of Civil Engineering, B.V.C.Engineering College, Vodalarevu, E.G.Dt, 2010 to 2011
8. **Nodal Officer**, Civil Works, Environment Management, TEQIP programme at B.V.C.Engineering College, Vodalarevu, E.G.Dt.
9. **HOD of Geology**, K.G.R.L.College, BVRM, during Aug, 1991 to April, 2005, K.G.R.L.College, Bhimavaram .
10. **Chairman**, Board of Studies in Geology, during 06-09-2006 to 19-04-2009, Andhra University,
11. **N.C.C. Officer**, during 01-04-1994 to 1-04-1996 & 06-12-2003 to 06-12-2004
12. **Co-Convener**, for the ‘**International Conference on Applied Science and Technology**’ (ICAST-2018) during 24th to 25 January, 2018, S.R.K.R.Engineering College China Amiram, Bhimavaram,
13. Acted as a **Co-Coordinator** to the Workshop on “Aquaculture and its impacts on Environment using Spatial Technologies” Organized by Geospatial Information Centre, sponsored by SERB, DST, New Delhi on 15th – 1st December, 2017
14. **Co-Coordinator**, Unnat Bharat Abhiyan, SRKR Engineering College Cell, China Amiram, Bhimavaram.
15. Event **Co-ordinator**, **Sankranthi Sambaralu** on 8th January, 2020, at S.R.K.R.College, China Amiram, Bhimavaram.
16. **Organised a Free Medical Camp** at S.R.K.R.Engineering College, China Amiram, Bhimavaram, on 12th January, 2020.

Paper setter & Valuer To:

1. Jawaharlal Nehru Technological University Kakinada (JNTUK), Kakinada
2. R.V.R.& J.C.College of Engineering (A), Guntur District
3. Shri Vishnu Engg. College for Women (Autonomous), Bhimavaram.
4. Swarnandhra College of Engineering and Technology (Autonomous), Narsapur
5. J.B. Institute of Engineering & Technology, Bhaskar Nagar, Moinabad Mandal, Hyderabad

6. GMR Institute of Technology, GMR Nagar, Rajam-532 127
7. Andhra University, Visakhapatnam
8. Acharya Nagarjuna University, Nagarjuna Nagar
9. PVP Siddhartha Institute of Technology, Kanuru, Vijayawada-520 007
10. GIET University, Gunupur-765022, Odisha, India.
11. B.V.C.Engineering College, Odalarevu, E.G.Dt.

Subjects taught:

- Engineering Geology
- Remote Sensing & GIS Applications
- Building Materials and Construction
- Construction materials and Management
- Building Planning & Drawing
- Environmental Engineering
- Water & Waste Water Engg.
- Transportation Engg. II
- Air Pollution & Control
- Ground Improvement Techniques
- Environmental Impact Assessment & Management
- Construction Technology and Management
- Environmental Science
- Water & Waste water Engg. Lab
- Engg.Geology Lab
- G.I.S. Lab
- I.O.T.Lab

Research Projects Completed					
Title of the project	Duration		Funding Agency	Total Grant	Ongoing / Completed
	From	To			
A Study on Delineation of Ground water prospective zones, Quality Evaluation, resource estimation and its Management in Nakrekal Basin, Nalgonda district, A.P., Using Remote Sensing and G.I.S. Tools”	2014	2016	SERO, U.G.C (M.R.P)	95,000	Completed
A Study on the control of Geology on Groundwater Quality of fluoride bearing zones of Nalgonda District, A.P”	2004	2006	SERO, U.G.C. (M.R.P.)	2,75,000	Completed
Mobile based Asset Mapping for Panchayats/Equavalant bodies on GIS Platform-E.G.Dt. (Co-ordinator)	2017	2018	NRSC, Hyd.	21,38,000	Completed
Mobile based Asset Mapping for Panchayats/Equavalant bodies on GIS Platform-W.G.Dt. (Co-ordinator)	2017	2018	NRSC, Hyd.	18,18,000	Completed
National Land Use/Land Cover mapping using temporal AWiFS data of A.P. (Co-ordinator)	2017	2018	NRSC, Hyd.	2,70,000	Completed
“Assessment of Surface Water bodies derived from Landsat in Upland area of West	31-12-	-	SERB	32,38,000/-	Proposal submitted

Godavari District, Andhra Pradesh, India” Date: 31-12-2016, Amount Rs. 32,38,000/-	2016				
“An Investigation of Groundwater dynamics, Recharge and installation of real-time Groundwater monitoring system in Upland area of Dwaraka Tirumala Mandal, W.G.Dt., A.P.”	31 Jul 2017	-	SERB	58,00,397.00	Proposal submitted

-List of Research papers published in International Journals : 27 + 3

1. **K.M.Ganesh** , M.Jagannadha Rao, G.Jaisankar., “Spatial Variability of Ground Water Quality from a Part of Nalgonda District,” **Journal of Geological Society of India, Springer** Bangalore, Volume No.69, Issue No.5, Page Nos. 983-988, May 2007, Impact factor 2.797.
 2. **K.M. Ganesh**, PARK Raju, YSSR Murthy, M.Jagannadha Rao, G.Jai Sankar “Delineation of Groundwater Chemical Quality in Nakrekal Basin, Nalgonda District, Telangana State, India, using R.S & G.I.S. Tools” Journal of Chemical and Pharmaceutical Sciences, (**JCHPS**), (SPB Pharma Society), Volume No. Issue No.10, December 2016, Page Nos. 88-93, ISSN: 0974-2115, Impact factor : 1.421, ISSN 0974-2115.
 3. **K.M.Ganesh.**, YSSR Murthy, R.Subba Rao, PARK Raju., Assessment of Surface Water bodies Using Automated Algorithm, West Godavari District, A.P.,India., International Journal of Civil, structural, Environmental and Infrastructure Engineering Research and Development (**IJCSEIERD**), **Trans Stellar**, Volume 7 Issue No. 5, Page Nos. 89-94, October, 2017, Impact factor:7.9858.
 4. R.Subba Rao, **K.M. Ganesh** “Parametric Estimation for Inverse Half Logistic Distribution Based on Type II Censored Samples”, Global Journal of Pure and Applied Mathematics (recognized by UGC & Scopus indexed), Volume 13, No. 4,(2017) Page Nos. 1-6, ISSN 0973-1768, **Referred Journal**.
 5. **Dr.K.M. Ganesh**, Dr.A.C.S.V.Prasad Dr.R.Subba Rao, “Delineation of Groundwater prospective zones in Nakrekal Basin, Nalgonda district, Telangana State, India—A Geospatial Approach” International Journal of Application or Innovation in Engineering & Management (**IJAIEM**), Volume 6, Issue 10, October 2017, Page Nos. 1-10, Impact factor: 7.319. (**UGC approved**).
- Gadi Harikrishna, G.Jai Sankar, **K.M. Ganesh** , “Disaster Management Emergency Responsive Mechanism Using GIS and Networking with Android Technology”, **Springer**, International Conference on Remote Sensing for Disaster Management (ICRSDM-2017).
7. Suribabu B, G.Jai Sankar, **K.M. Ganesh**, “ GIS Science for Monitoring of the Health & Emergency Services during Disaster in Tribal Area, E.G.Dist., A.P.India”. **Springer**, International Conference on Remote Sensing for Disaster Management (ICRSDM-2017)
 8. Shaik Rehnaz Begum, G.Jai Sankar, **K.M. Ganesh**, “Road Network for Disaster Guide in Rural Area, East Godavari District, AP, India—A Case Study of Spatial Approach”. **Springer**, International Conference on Remote Sensing for Disaster Management (ICRSDM-2017).

9. **Dr.K.M.Ganesh**, Dr. G.Jai Sankar, Dr.Y.S.S.R Murthy, "Integration of Geology and Geomorphology for Groundwater occurrence in a Hard rock region, Nakrekal basin, Nalgonda District, Telangana State, India., Using Remote sensing and G.I.S. Techniques" **IJAEM**, Volume 6, Issue 10, October, 2017, Page Nos. 51-58, ISSN 2319-4847, Impact factor: 7.319. (**UGC approved**).
10. **K.M.Ganesh**, G.Jai Sankar, M.Jagannadha Rao, A.C.S.V.Prasad, Multi criterion Analysis for Ground water Potential Zones along River Gostani and surroundings of Visakhapatnam, Andhra Pradesh, India. International Journal of Engineering & Technology, (**IJET**) 7 (3.31) (2017) page 186-193. (**Scopus**).
11. **K.M.Ganesh**, G.Jai Sankar, M.Jagannadha Rao, T.Rambabu, Pollution of Coastal Aquifers: A Human Induced Environmental Hazards, Visakhapatnam area, Andhra Pradesh, India – A Remote sensing and G.I.S. approach., International Journal of Engineering & Technology, (**IJET**)7 (3.31) (2017), page 194-199. (**Scopus**)
12. **K.M.Ganesh**, M.Jagannadha Rao, G.Jai Sankar, "Evaluation of Geomorphological landforms, Lineaments and Landuse/Landcover using Geospatial technologies in parts of Nalgonda district, Telangana state, India", International Journal of Engineering & Technology, (**IJET**) 7 (3.31) (2017) page 200-206. (**Scopus**).
13. **K.M.Ganesh**, M.Jagannadha Rao, G.Jai Sankar, P.Raghu Ram, " Studies on Environmental geology and health hazards with reference to Fluoride rich groundwater of Nalgonda district,Telangana State, India – A Remote sensing and G.I.S. Approach" , International Journal of Engineering & Technology, (**IJET**) 7 (3.31), (2017) page 207-213. (**Scopus**).
14. **K.M.Ganesh**, M.Jagapathi Raju, A.S.S.Vara Prasad, "Experimental study on Building Demolished Waste Stabilized Expansive Soil with Potassium Chloride", International Journal of Engineering & Technology, (**IJET**) 7 (3.31)(2017) page 214-218. (**Scopus**).
15. **K.M.Ganesh**, A.Subrahmanyam Raju, A.S.S.Vara Prasad, "Study of Mechanical properties of Pervious Concrete as A Pavement Material by Partial replacement of Ggbs in Cement with Addition of Cellulose fibers", International Journal of Engineering & Technology, (**IJET**) 7 (3.31) (2017) page 219-223. (**Scopus**).
16. **K.M.Ganesh**, P.A.R.K.Raju, D.Ratnagiri, "Automated mapping of water bodies from Resourcesat-2 AwiFS image using Automated Algorithm, Nalgonda District, Telangana state, India" International Journal of Engineering & Technology, (**IJET**) 7 (3.31) (2017) page 224-227. (**Scopus**).
17. **Dr.K.M.Ganesh**, M.Sita Rama Reddy, A.C.S.V.Prasad, J.Jeevan Kumar "A study on spatial variability of groundwater quality from a Fluoride infested aquifer of Nalgonda district of Telangana state, India., International Journal of Engineering & Technology, (**IJET**) 7 (3.31) (2017) page 228-233. (**Scopus**).
18. R.Subba Rao, Y. Jagannadhapuri, **K. M. Ganesh** , "Demographic Projections for India: Past, Present and Future", International Journal of Engineering & Technology, (**IJET**) (3.31) (2017) 174-178. (**Scopus**) .

19. **K.M.Ganesh**, M.Jagannadha Rao, G.Jai Sankar, VKSK Sai, "Integration of Geology, Hydrogeology and Geomorphology for Groundwater occurrence in a hard rock region from parts of Nalgonda district, Telangana State, India, using Remote Sensing and G.I.S Techniques., International Journal of Engineering & Technology, **(IJET)** 7 (3.31) (2018) page 240-248. **(Scopus)**.
20. **K.M.Ganesh**, G.Jai Sankar, M.Jagannadha Rao, R.Subba Rao, "Identification of Groundwater Potential Zones of Visakhapatnam Urban Area using Integrating Multi Criteria Evaluation with Geographical Information System" International Journal of Engineering & Technology, **(IJET)** 7 (3.31) (2018) page 234-239. **(Scopus)**.
21. **K.M.Ganesh**, P.A.R.K.Raju, N.Gopalakrishna Murthy, "Water bodies Area Extraction from Resourcesat-2 AWiFS image using Automated Algorithm, Visakhapatnam District, Andhra Pradesh, India" International Journal of Engineering & Technology, **(IJET)** 7 (3.31) (2018) page 249-251. **(Scopus)**.
22. **K.M.Ganesh**, N.Srinivasu, RNV Jagan Mohan, " Automated surface water mapping from Resourcesat-2 AWiFS image using Automated Algorithm, Krishna District, Andhra Pradesh, India" International Journal of Engineering & Technology, **(IJET)** 7 (3.31) (2018) page 252-254. **(Scopus)**.
23. **K.M.Ganesh**, G.Jai Sankar, G.V.L.N.Murthy; "Impact Assessment of Super Cyclone Hudhud on Coastal Region of Visakhapatnam, Andhra Pradesh, India, Using Remote Sensing and GIS Techniques"; International Journal of Recent Technology and Engineering **(IJRTE)** ISSN: 2277-3878, Volume-8 Issue-1S3, June 2019. **(Scopus)**.
24. **K.M.Ganesh**, P.A.R.K. Raju "Groundwater Resource Estimation of Nakrekal Basin, Nalgonda District, Telangana State, India, using GIS and Remote Sensing Techniques"; International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-1S3, June 2019. **(Scopus)**.
25. **K.M.Ganesh**, A. Subrahmanyam Raju, R.Subba Rao "Municipal Solid Waste Management in India with Special Reference to Bhimavaram Town in West Godavari District, Andhra Pradesh, India"; International Journal of Recent Technology and Engineering **(IJRTE)** ISSN: 2277-3878, Volume-8 Issue-1S3, June 2019. **(Scopus)**.
26. **K.M. Ganesh**, M. Jagapathi Raju, D. S. V. Prasad "Prioritisation of Sub-Basins and Delineation of Suitable Zones for Artificial Groundwater Recharge of Nakrekal basin, Nalgonda district, Telangana state, India, using GIS and Remote Sensing tools"; International Journal of Recent Technology and Engineering **(IJRTE)** ISSN: 2277-3878, Volume-8 Issue-1S3, June 2019. **(Scopus)**.
27. **K.M.Ganesh**, A.C.S.V.Prasad, A.S.S.Vara Prasad "Municipal Solid Waste Management in India with Special Reference to Narasapur Town in West Godavari District, Andhra Pradesh, India"; International Journal of Recent Technology and Engineering **(IJRTE)** ISSN: 2277-3878, Volume-8 Issue-1S3, June 2019. **(Scopus)**.
28. **Dr.K.M.Ganesh**, Dr.G.Jai Sankar, Stephen Pendyala, "Sympathetic approach for Spatial components of Drought Models and Their Role in Policy making" **(Scopus) (Accepted)**

29. K. Lakshmi Manojna, K. Gangesh Reddy, Smt T.V. Hyma Lakshmi, **Dr. K.M.Ganesh**

“Feature Extraction of Tumor from an Mri Image Using K-Means Clustering method” **(Scopus)**
(Accepted)

30. K. Lakshmi Manojna, K. Gangesh Reddy, Smt T.V. Hyma Lakshmi, **Dr.K.M.Ganesh,**

“Enhancement of Ct Scan Image using Gamma Correction and Dwt-Svd Approach” **(Scopus)**
(Accepted)

Research Papers Published in International Conferences :

- i. A Two Day International Conference on “Emerging Multidisciplinary Research and Computational Intelligence (ICEMRCI-2016), December 15-16, 2016.
- ii. A Two day International Conference on Mathematical Sciences & Engineering Applications, ICMSEA- 2016 on 23rd-25th December, 2016, Baba Institute of Technology & Sciences, P.M.Palem, Visakhapatnam-48.
- iii. One Day International Symposium on Recent Innovations in Engineering Materials (RIEM-17), organized by dept. of Engineering Chemistry, SRKREC, Bhimavaram, on 31st August, **2017**.
- iv. A Three day International Conference on “Remote Sensing for Disaster Management – 2017 (ICRSDM – 2017), during October 11 – 13, 2017, Department of Geo-Engineering, Andhra university, Visakhapatnam.
- v. A Two day International Conference on “Applied Science and Technology (ICAST-2018)”, during 24th & 25th January, 2018, at SRKR Engineering College, China Amiram, Bhimavaram
- vi. A Two day International Conference on “Applied Sciences and Technology (ICAST-2019)” during 27-28 March 2019, at SRKR Engineering College, China Amiram, Bhimavaram
- vii. A Three Day National Conference on Productivity, Quality, Reliability, Optimization and Computational Modeling, during 18th to 20th December, 2019, at S.R.K.R.Engineering College, China Amiram, Bhimavaram

STTPs / FDPs Attended: 04

- i. One week faculty development programme (FDP) on Remote Sensing, GIS and GPS applications in Civil Engineering under TEQIP – II, conducted at Department of Civil Engineering, Shri Vishnu Engineering College for Women (SVECW), Bhimavaram during **12-09-2016 to 16-09-2016**.
- ii. Six Day Faculty Development Programme on “Informaton Security & Networks” conducted at SRKR Engineering College, China Amiram, Bhimavaram during **11th July to 13th July, 2017 and 17th July to 19th July, 2017**.
- iii. AICTE sponsored Two Week Faculty Development Programme on Latest Software Applications in Civil Engineering conducted by Department of Civil Engineering, S.R.K.R. Engineering College, China Amiram, Bhimavaram during **23-10-2017 to 04-11-2017**.
- iv. One Week Faculty Development Programme on Hands-on Training for Remote Sensing & its Applications (HTRSA-2019), at University College of Engineering Kakinada (A), JNTUK, Kakinada during **25th November 2019 to 30th November, 2019**.

List of workshops/seminars attended

S No	Name of the workshop/ STTP	Place	Period	
			From	To
1	“Indian Petroleum Resources, Challenges and Prospects for Exploration and production-Opportunities for New and Non-conventional Energy / Resources” PETRO FEST-2012	Delta Studies Institute, Andhra University, Visakhapatnam	27 Dec, 2012	29 Dec, 2012
2	Indian Petroleum and Non-conventional Energy Resources-Present Trends and Futuristic Initiatives” PETRO FEST-2013	Delta Studies Institute, Andhra University, Visakhapatnam	27, December, 2013	29,December, 2013
3	“Geospatial Technologies, Wetland Ecosystems”	SRKR Engineering College Bhimavaram	17 th Dec, 2014	18 th Dec, 2014
4	One Day Workshop on “Geospatial Technologies for Resources Evaluation and Disaster Management, 2015, (GTREDM-2015)	Dept. of Geo-Engg & Center for Remote Sensing	22 nd April, 2015	22 nd April, 2015
5	“Drinking Water Quality” with special emphasis on ‘Impact of Agriculture and Aquaculture Practices in Coastal tracts of Godavari Delta, Andhra Pradesh’	SRKR Engineering College Bhimavaram	28th–August, 2015.	29th, August, 2015
6	“Why Entrepreneurship”	Swarnandhra Engg.College, Narsapur	7 th January, 2016	
7	Land and Water Management Aspects of Godavari Western Delta	SRKR Engineering College Bhimavaram	5 th Aug, 2016	
8	Jala Samrakshana on the eve of Holy Pushkaralu to River Krishna	SRKR Engineering College ,Bhimavaram	18 th Aug, 2016	
9	Geospatial Technologies with special colloquium on Land and Water management systems of West Godavari District,	SRKR Engineering College, Bhimavaram	27th October, 2016	28th October, 2016
10	Three Day National Workshop on “Data Science & Research on Big Image Data”	SRKR Engg.Collge Bhimavaram	February 24 th 2017	February 26 th , 2017
11	Two-day National workshop on “Recent trends in GIS with special reference to Mobile GIS and Crowdsourcing”	Dept. of Geo-Engg & Center for Remote Sensing	27 February, 2017	28 February, 2017
12	“Innovation & Incubation Centers in Engineering Colleges”	SRKR Engg.Coll. Bhimavaram	9 th March 2017	
13	Two-Day National Workshop on Remote Sensing in Water resources evaluation and sustainable management	Dept.of Geo-Engg, Andhra University, Visakhapatnam	22 March, 2017	23 March, 2017
14	“Polavaram Project –Vision to Execution” organized by The Institution of Engineers (India), A.P. State Centre	The Institution of Engineers (India), AP State Centre, Vijayawada	15 th July, 2017	

15	One Day National workshop “Geospatial Technologies: Present and Future Trends”	Dept. of Geo-Engg & Center for Remote Sensing	17 th July, 2017	17 th July, 2017
16	One day International Symposium on Recent Innovations in Engineering Materials (RIEM)	S.R.K.R.Engineering College (A), China Amiram, Bhimavaram	31 August 2017	31 August 2017
17	Seminar on “Latest Trends in Civil Engineering (LatTICE’18)	S.R.K.R.Engineering College (A), China Amiram, Bhimavaram	March 3, 2018	March 3, 2018
18	Seminar on “Geotechnics for Expansive Soils”	S.R.K.R.Engineering College (A), China Amiram, Bhimavaram	March 18, 2018	March 18, 2018
19	One Day Faculty Development programme on “Universal Human values”	S.R.K.R.Engineering College (A), China Amiram, Bhimavaram	2 nd November, 2019	2 nd November, 2019
20	2 Day National Conference on “Recycle and Reuse of Municipal and Industrial Wastewater” (NCRMIWW19)	University College of Engineering Kakinada (A)JNTUK, Kakinada	11 th November, 2019	12 th November 2019
21	National Workshop on “ Emerging Technologies in Civil Engineering” (NWETC-2019)	Vignans’ Foundation for Science Technology & Research, Guntur	19 th December,2019.	19 th December,2019

I hereby declare that the information furnished above is true to the best of my knowledge

Dr. K.M. Ganesh