

Research Projects

- **Minor Research Project (2006-08)**

Development of Dry land Agriculture in Selected villages of Nanjangud Taluk, Mysore District: A Special Analysis of Problems, Prospects and Strategies, funded by the University of Mysore.

- **Major Research Project**, (2008 April to 2010 March) and report Submitted on Aug - 2010
- **Water Resource Management of the Cauvery Basin: Irrigation Management Transfer as Strategy for Participatory Irrigation Management**, funded by the University Grant Commission (U.G.C), New Delhi.

UGC Innovative Programme

Started M.Sc. GIS course under the University Grants Commission Innovative Programme in the year 2008 at the Maharaja's College, University of Mysore, Mysore. After the successful completion of five batches, the course was shifted to the Department of Geography, Manasagangothri, University of Mysore from the academic year 2014-15 with a change in nomenclature as "Centre for Geoinformatics Technology" providing 100 percent placement to the students.

Books Published:

- Published a Book from an United Kingdom (UK) based Henson Editorial Services & North Staffordshire Press Ltd., Staffordshire University titled "**Participatory Irrigation Management in Karnataka, India**" in the year 2011.

MoU

I have been engaged in developing collaborations with Foreign Universities, Indian Universities and GIS industries. Successfully, we have collaborations with the following two organization:

- MoU with Massaryk University, Czech Republic 2011
- MoU with InfoMaps, a mapping organization in Chennai for Research, Training and Internships for students 2013
- **MoU process is in progress with Waterloo University, Canada; Staffordshire University, UK; Bonn University, Germany; Nokia India Pvt. Ltd., New Delhi; and EI Technology, Bangalore and Pancharatna Rural Urban Development Organization, Mysuru.**

Research Publications

Sl. No.	Title of the article	Name of the Journal/ Publisher	National International	Year	Page No's	Authors in the order of appearance	Impact factor
1	Shoreline Change Analysis using Spatial Technology along the coast between Trou aux Biches –Mont Choisy with special reference to Trou aux Biches Beach	Journal of Civil Engineering and Architecture	International	2011	1-13	Krishnamoorthy G, Ramu, T.Vasantha Kumaran	0.1101
2	Hypsometric Properties of	New York Science	International	2012	156 -	Ramu, B.Mahaling	1.235

	Drainage Basins in Karnataka using Geographical Information System	Journal	I		158	am	
3	Morphometric Analysis of Tungabhadra Drainage Basin in Karnataka using Geographical Information System	Journal of Engineering, Computers & Applied Sciences	Internationa l	2013	1-7	Ramu, B.Mahalingam, P.Jayashree	3.423
4	Assessment of Groundwater Quality Using GIS Techniques: A Case Study of Mysore City	International Journal of Engineering and Innovative Technology	Internationa l	2014	117-122	B.Mahalingam, Ramu, M. Deepali P.Jayashree	3.115
5	Bio-Medical Waste Management in the Local Planning Area of Mysore City	International Journal of Advanced Research	Internationa l	2014	951-955	Abhilash Rajendra, Ramu	1.659
6	Estimation of Seafloor Bathymetry across the Shallow Waters of Coastal Region using Remote Sensing and GIS Techniques: A Case Study of Andaman	International Journal of Advanced Research in Science and Technology	Internationa l	2014	205-207	M. Vinay, Ramu, B.Mahalingam and B.V Shobha	3.843

	Islands, Territory of Indian Administration, India						
7	Identification of ground water potential zones using GIS and Remote Sensing Techniques: A case study of Mysore Taluk- Karnataka	International Journal of Geomatics and Geosciences	International	2014	393 - 403	Ramu, Mahalingam B, Vinay M	3.325
8	Rainfall Variability in Space and Time, A Case of Mysore District, Karnataka, India	Current Trends in Technology and Science	International	2014	205 - 209	B.Mahalingam, Ramu, Bharath, Jayashree	2.82
9	Assessment of Municipal Solid Waste Management in Mysore City	International Journal of Application or Innovation in Engineering & Management	International	2014	134 - 138	Abhilash Rajendra and Ramu	4.015
10	A comparative temperature study of South Indian Metropolitan cities in India using Remote Sensing and GIS	International Journal of Engineering Technology and Computer Research	International	2014	27-39	B.Mahalingam, Ramu, Vinay.M	3.983

	technique						
11	Agricultural Drought Assessment In Central Dry Zone Of Agro Climatic Zones Of Karnataka Using GIS And Remote Sensing	International Journal of Computer Science and Information Technology Research	Internationa l	2015	575 - 581	Nandeesh, Dr.Ramu	3.32
12	Assessment of Rainfall Patterns and Meteorological Drought in Northern Dry Agro Climatic Zone Of Karnataka	International Journal of Computer Science and Information Technology Research	Internationa l	2015	532 - 539	Nandeesh, Dr.Ramu	3.32

Workshops Organized:

2011 - UGC Sponsored Three-day National Workshop	2011 – UGC Sponsored Three-day National Workshop on “Scenario Mapping, Climate Change and Infectious Diseases at the Department of Geography (GIS), Maharaja’s College, Mysore from October 12-14, 2011.
2012 - Two-day Workshop	2012- Two-day Workshop on “Geoinformatics for Natural Resources Management”, for Under Graduate Science Lecturers, at the Department of Geography (GIS), Maharaja’s College, Mysore on 12 th and 13 th March 2012.

2011 - One-day International Workshop on	2011 –One-day International Workshop on “GIS and Journalism” on 7 th March 2011 at the Department of Geography (GIS), Maharaja’s College, Mysore.
2015- One-day National Seminar	2015- Organizing Committee Member for one-day National Seminar on “Status of Geography in India, Issues, Opportunities and Challenges” on 12th February 2015, at Maharaja’s College, UOM, Mysore 570005.

Training and Special Lectures delivered:

- Delivered a special Lecture on “Trends and Opportunities in Geography” at Government First Grade College, K.R.Pet, Karnataka on 18th April 2011.
- Provided Training for the Participants of Two-Day Workshop on Monitoring Information System, Geo-Spatial Information System and Geographical Position System under MGNREGS conducted by the Abdul Nazeer Sab State Institute for Rural Development on 22nd and 23rd January 2013.
- Provided training for the Participants of Training Programme on Monitoring Information System, Geo-Spatial System and Geographical Position System to District and Taluk Level MIS Co-ordinators under MGNREGS conducted by the Abdul Nazeer Sab State Institute for Rural Development from 12th to 15th February 2013.
- Provided training for the participants of Training Programme on Monitoring Information System, Geo-Spatial System and Geographical

Position System to District and Taluk Level MIS Co-ordinators under MGNREGS conducted by the Abdul Nazeer Sab State Institute for Rural Development from 18th to 21st February 2013.

- Provided training for the participants of Training Programme on Monitoring Information System, Geo-Spatial System and Geographical Position System to District and Taluk Level MIS Co-ordinators under MGNREGS conducted by the Abdul Nazeer Sab State Institute for Rural Development from 05th to 08th February 2013.
- Provided training for the participants of Training Programme on Monitoring Information System, Geo-Spatial System and Geographical Position System to District and Taluk Level MIS Co-ordinators under MGNREGS conducted by the Abdul Nazeer Sab State Institute for Rural Development from 25th to 28th February 2013.
- Delivered special Lecture on “Geographical Information System” at Government First Grade College, Hassan, Karnataka on 18th April 2011.
- Delivered special Lecture on “Geographical Information System” at Government First Grade College, Hassan, Karnataka on 18th April 2011.
- Delivered special Lecture on “Geographical Information System” at Government Arts and Commerce College, Nanjanagud. on 21st March 2011.
- Delivered special Lecture on “Geographical Information System” at JSS College, Chamarajanagar. on 21st March 2014.
- Delivered special lecture on GIS on May-2014 for Ph.D course work students at Kannur University, Keraka
- Delivered special lecture on “Applications of GIS and Remote Sensing on Present Scenario” for the one-day workshop on Geographical Information System organized by the Department of Geography, Maharani’s Arts College for Women, Mysore held on 17 March 2015.

PAPERS PRESENTED IN CONFERENCES/SEMINARS/WORKSHOPS:

(a) International:

Ramu. 2012 – Presented a paper titled “Morphometric Analysis using GIS Applications: A Case Study of Chamundi Hills (Mysore City)” in XI International Conference on Environment, Tourism and Development organized by the DOS in Geography, MGM, and Deccan Geographical Society of India from 22nd to 24th February 2012.

RAMU. 2012 – Presented a paper titled “Layout Planning using GIS – A Case Study of Ballahalli ‘MUDA’ Extension, Mysore Taluk” in XI International Conference on Environment, Tourism and Development organized by the DOS in Geography, MGM, and Deccan Geographical Society of India from 22nd to 24th February 2012.

Ramu. 2012 – Presented a paper titled “Change Detection of Land Use Faunal & Floral change: A Case Study of Ranganathittu Bird Sanctuary” in XI International Conference on Environment, Tourism and Development organized by the DOS in Geography, MGM, and Deccan Geographical Society of India from 22nd to 24th February 2012.

Ramu. 2012 – Presented a paper titled “Upgradation & Management of Slums using GIS Applications: A Case Study of Mysore City” in XI International Conference on Environment, Tourism and Development organized by the DOS in Geography, MGM, and Deccan Geographical Society of India from 22nd to 24th February 2012.

Ramu. 2013 - Participated in the First International Conference on “Urban Issues and Challenges” held at the Department of Geography, Bangalore University under the banner of Union of Geographic Information Technologists on 27th and 28th March 2013.

Ramu. 2013 - Chairman for the Technical Sessions in International Conference on

“Environmental Management for Sustainable Development” organized by the Department of Geography, Karnatak University’s Karnatak Science College, Dharwad on 20th and 21st December 2013.

Ramu. 2013 – Presented a paper on “Assessment of Soil Erosion in Mysore District using USLE Method” in the International Conference on Environmental Management for Sustainable Development” organized by Department of Geography, Karnatak University’s Karnatak Science College, Dharwad, Karnataka, India on 20 and 21 December, 2013.

Ramu.2015 - Participated in two days international conference on 5th and 6th March, titled “Indo-Iranian Scientific Relation and Co-operation: Opportunities and Challenges”, conducted by Research Counselor of Science and Education Embassy of Islamic Republic of Iran, New Delhi at University of Mysore, Mysore 2015.

(b) National

Ramu.2004- Rainwater Harvesting in Mysore City, Paper presented at the National Seminar on Resource Management for sustainable Development, Department of Geography, University of Mysore.

Ramu. 2004 - Dry Land Agriculture of Mysore and Chamarajanagara District, Paper presented at the National Seminar on ‘Resource Management for Sustainable Development’, Department of Geography, University of Mysore.

Ramu. 2004 - Roof Rainwater Harvesting in Mysore City, National Association of Geographers of Indian Conference, Department of Geography, University of Bangalore, Gnanabharathi, Bangalore, December.

Ramu. 2005 - “The Roof Rain Water Harvesting in Mysore City” XXVII Indian Geography Congress, (NAGI) PG.Dept of Geography, Jnanabarthi, Bangalore University, Bangalore

Ramu. 2005 - “Need for & Scope of Utilizing Saline Ground Water in Irrigated Agriculture” XXVII Indian Geography Congress, NAGI) P.G.

Department of Geography, Jnanabarathi, Bangalore University, Bangalore
Ramu. 2008 - Application of Geographical Information Technology, P.G.Dept. of Geography, Jnanabarathi, Bangalore University, Bangalore.
Ramu. 2009 – Workshop on “Application of Geographic Information Technology” held on 24 th March at Post-Graduate Department of Geography, Jnanabharathi Campus, Bangalore University, Bangalore
Ramu. 2010 - National workshop on “New Challenges in Teaching English Language through Literature” held at Department of English, Maharaja’s College, Mysore on 6 and 7 March 2010.
Ramu. 2011 - Participated in one-day National Seminar on “Recent Trends in Geography” organized by the PG Department of Geography, Maharani’s College for Women, Mysore on 29th April 2011.
Ramu. 2012 - Participated in one-day National Seminar on “Climate Change and Disaster Management” held Departments of Geography and Environmental Studies, S.B.R.R. Mahajana First Grade College, Mysore on 07th March 2012.
Ramu. 2012 - Participated in two-day National Seminar on “Dimensions Of Urbanisation – Challenges And Opportunities” organized by the Departments of History, Economics, Geography and Sociology, S.B.R.R. Mahajana First Grade College, Mysore in collaboration with Institute of Development Studies, University of Mysore on 19th and 20th October 2012.
Ramu. 2012 – Participated in three-day NRDMS-DST sponsored National Level Workshop on “Geospatial Technology” organized by the Jayam College of Engineering and Technology, Dhamapuri, T.N. from 28th to 30th June 2012.
Ramu. 2013 - Participated in the UGC sponsored two-day National Level Seminar on “Sustainable Development, Climate Change and Food Security”

held in the Post Graduate Department of Geography, Maharani's Arts and Commerce College for Women, Mysore on 23rd and 24th January 2013.
Ramu. 2013- Participated in National Workshop on "Advanced Application of Geospatial Technology" organized by DOS in Geography, MGM, UOM, Mysore from 28th February to 5th March 2013
Ramu. 2013 - Participated in one-day National Seminar on "Environmental Health Hazards" organized by the Departments of Environmental Studies and Wellness Centre, S.B.R.R. Mahajana's First Grade College, Mysore on 22nd March 2013
Ramu. 2014- Participated in the Second National Conference of Union of Geographic Information Technologists on "Geospatial Technologies in Natural Resource Management and Disaster Mitigation organized by the Department of Geography, School of Earth Sciences, Central University of Karnataka, Gulbarga on 14th and 15th February 2014.
(c) Regional/State Level
Ramu. 2006 – "Total Quality Improvement" one-day workshop at Maharaja College, Mysore University, Mysore
Ramu. 2007 – Workshop on Digital Cartography, Organized by Geographical Science Association, Mysore, held at Maharani's Arts & Commerce College for Women, Mysore.
Ramu. 2007 – UGC Sponsored State level Workshop on "Rain Water Harvesting" Held on 4 and 5 October at JSS College of Arts, Commerce and Science, Ooty Road, Mysore.
Ramu. 2007 – UGC Sponsored Workshop on "Continuing Global Warming and its impacts", held at JSS College of Arts, Commerce and Science, Ooty Road, Mysore on 22 September 2007
Ramu. 2007- "Emerging Trends in Geography: Industry and Environmental Issues" held at J.S.S College, Najanagud, Mysore District

Ramu. 2011 - State Level Seminar on “Climate Change and Environmental Issues” held on 18th February 2011 at the Department of Geography and Environmental Studies, Maharaja’s College, Mysore

Ramu. 2012 - Participated in one-day Workshop on Educating Teachers on the “Student’s Mental Health” organized by the UGC-Academic Staff College, University of Mysore on 10th October 2012.

Ramu. 2014 - One-day workshop on “Intellectual Property Training and Awareness” held on April 10th, 2014 at Institution of Excellence, Vijnana Bhavan, Manasagangothri, University of Mysore.

Research Experience

22 years

Successfully Guided 1 Ph. D Student and awarded, 1 Ph. D Student was Submitted his Ph. D Theses and Successfully Guided 1 M. Phil Student and awarded. At present 6 Ph. D Students are working under my guidance.

Ph.D Research Guide

Recognized as a Guide for research candidates leading to Ph.D. Degree in Geographical Information System (GIS) by the University of Mysore, Mysore. **Two** candidates, under my guidance has been awarded Ph.D, 1 Ph. D Student has yet to submit his Ph. D Theses on Sep-2015 and **6** candidates are pursuing research under my Guidance.

Ph. D Awarded:

S N	Name of the Students	Title of the Thesis	Year of the Award
----------------	---------------------------------	----------------------------	------------------------------

1.	Mr. Krishnamoorthy	Coastal Dynamics and Shoreline Mapping: Multi-Source Spatial Data Analysis using GIS and Remote Sensing along Le Morne Brabant Coast (Mauritius Islands)	2014
2.	Mr. Abhilash Rajendra	Geo-environmental Analysis of Solid Waste Management in the Local Planning Area of Mysore using GIS and Remote Sensing Databases	2015

Ongoing Ph.D Research

Sl. No.	Name of the Candidate	Research Topic
1	Nandeeshha	"Agricultural Drought Assessment Using Gis And Remote Sensing Applications In Different Agro Climatic Zones Of Karnataka State"
2	Shima Sajadi Jajaram	"Suspended Sediment Estimation for Cauvery River Basin of Karnataka State using Artificial Neural Networks via Geoinformatics Techniques"
3	Mr. Giridhar V. Thayoor	"An Assessment of the Sewage System using GIS and Remote Sensing – Case Study at Hunsur Town"
4	Mrs. Priya, V. B	"Environmental Impacts on the Emergence and Resurgence of Vector Borne Diseases: "A Spatial Modeling Approach in Thiruvananthapuram District"
5	Mr. Nandakumar, P.	Enrolled
6	Mr. Muralidhara D. G.	Enrolled

Guided for M.Phil

Sl. No.	Name of the Student	Title of the Dissertation
01	Mr. M. Mallikarjuna	“Growth and Development of Mysore City – A Geographical Analysis” Center code :KA044 (2007-2008)

Affiliations with Professional Bodies

- National Association of Geographers, India - Associate Member.
- The Deccan Geographical Society of India – Life Member
- Union of Geographic Information Technologists – Life Member
- **Specialized Positions**
- 2008-Till date Co-ordinator, MSc. in G.I.S. for Sustainable Development, under U.G.C Innovative Programme.
- 2008-2014 BOE Chairman, M.Sc. in G.I.S. for Sustainable Development.
- 2009-2012 BOS Member, M.Sc. in G.I.S. for Sustainable Development.
- 2012-Till date BOS Member, M.Sc. in G.I.S. for Sustainable Development.
- 2010-13 BOS Member, U G Board, DOS in Earth Science, MGM
- 2014-Till date BOS Member, University of Bangalore, Gnanabharathi, Bangalore
- 2008-Till date Admission Selection Committee Member for M.Sc. GIS