

INDIAN SOCIETY OF GEOMATICS
NATIONAL GEOMATICS AWARD – APPLICATIONS FOR THE YEAR 2008
CITATION



Dr Yellisetty Venkata Naga Krishna Murthy, born in March 15, 1958, received his Master degree in 1979 and Doctorate in Remote Sensing studies for Integrated Resources Data Management System in 1986 from College of Engineering, Andhra University. He joined Indian Space Research Organisation in 1987.

Dr. Krishna Murthy has significantly contributed for about 3 decades in promoting geoinformatics for natural resource management and extending its use at grass root level. His contribution in developing innovative methodologies by integrating high technology geospatial inputs into conventional methods has greatly facilitated in ultimate assimilation of these inputs by the concerned including technocrats, bureaucrats, NGOs and end-user community for various thematic applications. One of his major contribution is in developing methodology and innovative application possibilities by georeferencing cadastral village maps with high resolution satellite data and its derived natural resources information to successfully implement beneficiary oriented developmental programmes of the Government of India at Gram Panchayat level. For easy access and dissemination of geospatial products and services at the village level, he designed and implemented various indigenous customized software packages using open source tools.

He was involved in the design of state projection grids for integration of digital data bases from village to national level, which has resulted in identification of suitable map projections for the future high resolution data products, creation of Indian National Spatial Data Frame Work and integration of digital data bases of major national mission projects. This also facilitated in generating Ground Control Points (GCP) chips for data quality evaluation of the satellite data products of IRS 1C/1D, OCEANSAT, TES, RESOURCESAT and CARTOSAT. As Project Director for Maharashtra, developed methodology for integration of remote sensing and GIS in early 90's itself, towards sustainable development of Uma-Gani watershed in Maharashtra as part of Integrated Mission for Sustainable Development (IMSD).

He has greatly contributed in evolving database standards and design of query shells for National (Natural) Resources Information System (NRIS) Project. The query shell - GeoLAWNS (Geographically encoded Land and Water iNformation System) enables GIS data display, query and analysis both for district level planning and watershed development.

He led a team of scientists in successfully accomplishing a major user project for the Chhattisgarh State, funded by Gram Panchayat, encompassing natural resources database, road information system and georeferencing of cadastral villages maps of more than 20000 villages to generate land information system. Based on this initiative, he has been identified as Project Director for a major project on Cadastral Referenced Database (CRD) to facilitate generation of cadastral level database on natural resources information to enable Village Resources Centre (VRC) services. Many of his contribution have become part of national missions launched by Department of Space and also by various User Ministries. The methodologies and software tools have not only helped in speeding up the process of plan implementation but also in subsequent monitoring of the impact of the intervention.

In recognizing his outstanding contributions in promoting community-based applications using geoinformatics and customized products and services with indigenous software, Indian Society of Geomatics confers the 'National Geomatics Award – Applications' for the year 2008 on 'Dr. Y.V.N. Krishna Murty'.

(S.K. Pathan)
Secretary

February 04, 2009
Dehradun

(R.R. Navalgund)
President