

INDIAN SOCIETY OF GEOMATICS (ISG)
NATIONAL GEOMATICS AWARD FOR INNOVATIVE APPLICATIONS - 2009

CITATION



Dr. Subhan Khan Pathan, born on 6th August, 1954 received his Master's Degree in 1976 from Andhra University, Visakhapatnam and joined Space Applications Centre (ISRO), Ahmedabad in March, 1977 and obtained his doctorate degree on 'The Role of RS and GIS in Urban Planning with a specific case study' from Gujarat University, Ahmedabad. He held many positions at Space Applications Centre and currently he is Head, Geoinformatics and Databases Division and Project Director, Natural Resources Database (NRDB) project.

Dr. S.K. Pathan has significantly contributed for more than 3 decades in promoting geoinformatics techniques for urban planning and infrastructure development 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 its use by the technocrats, urban planners, bureaucrats etc. for various applications. One of his major contributions is developing methodology and innovative application for preparing development plans, perspective plans and zonal plans with high resolution satellite data and its derived information to successfully implement beneficiary oriented developmental programs of the Government at cadastral/final plot level.

He has greatly contributed in evolving content and metadata standards and design of query shells for National Urban Information System (NUIS) and National (Natural) Information System (NRIS) Projects. Dr. Pathan has conceptualized, formulated and executed many national level projects related to urban planning and watershed development. His work on the preparation of master plans for Ahmedabad, Mumbai, Pimpri-Chinchwad, Calcutta, Indore and Bhopal were highly commendable and the work has culminated in the formation of a national level project viz. National Urban Information System (NUIS). His work on network optimization and creation of information systems are exceedingly good practical examples of the usage of Remote Sensing and GIS techniques. Dr. S.K. Pathan has conceptualized and designed Indigenous GIS software catering the needs of both GIS and Image Processing functions in single software based on OGC data model. He has also defined metadata standards for National Spatial Data Infrastructure (NSDI) to support all types of data at the national level in the capacity of Nodal Officer (ISRO), NSDI. He has to his credit over 85 research papers in various journals and proceedings of national and international seminars, apart from scientific reports numbering 25.

Dr. Pathan has evaluated the potential of setting up a spatial data infrastructure in the Republic of FIJI in the capacity of Counselor of India (Technical). Dr. Pathan has three best paper presentation awards viz. **Indian Society of Remote Sensing (ISRS award)**, **Computer Society of India (CSI) award** and **first Environmental System Research Institute (ESRI_ERDAS award)**. In addition, he has been honored with "**CLUMA CITATION**" at JNTU, Hyderabad for his outstanding work in the fields of Urban Planning and Watershed Development.

IN RECOGNITION OF HIS OUTSTANDING CONTRIBUTIONS IN PROMOTING URBAN PLANNING AND INFRASTRUCTURE DEVELOPMENT, DEFINING STANDARDS FOR NATIONAL URBAN INFORMATION SYSTEM (NUIS), CREATING INFORMATION SYSTEMS, QUERY SHELLS AND APPLICATION SHOWCASES, INDIAN SOCIETY OF GEOMATICS CONFERS THE NATIONAL GEOMATICS AWARD FOR INNOVATIVE APPLICATIONS FOR THE YEAR 2009 ON DR. S.K. PATHAN.



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Ahmedabad – 380 015

(R.R. Navalgund)
President, ISG.