

Brief Resume of Prof. (Mrs.) Parvatham Venkatachalam

Name: Mrs. Parvatham Venkatachalam

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EDUCATION:

Ph.D.	1978	Applied Statistics	I.I.T., Bombay
M.Sc.	1972	Mathematics (Awarded Institute Silver Medal for securing First Rank)	I.I.T., Bombay
B.Sc.	1970	Mathematics (Secured Special Distinction)	Madurai Univ.

DESIGNATION: Former Professor and Head, Centre of Studies in Resources Engineering, Indian Institute of Technology, Bombay, India

RESEARCH PUBLICATIONS:

Papers published in International Journals and Conferences Proceedings	98
Technical Reports,	10
Chapters in Books	4

RESEARCH AREAS:

- ♦ Development of GIS Algorithms and software
- ♦ Development of spatial decision support system for resources applications
- ♦ Remote Sensing Data Analysis
- ♦ Data Structures in spatial data bases, Dynamic Modelling in GIS, Multidimensional GIS, Spatial Data Accuracy and Spatial Data Security

EXPERIENCE IN RESEARCH AND EDUCATION

- ♦ Undertaken several sponsored projects funded by international agencies and national agencies of Govt. of India.
- ♦ Developed an indigenous GIS package GRAM++ with financial support from UNDP and DST, New Delhi
- ♦ Was teaching courses in the areas of GIS and Remote Sensing for M. Tech and Ph. D. students at IIT Bombay

- ◆ Conducted several training programs for the benefit of user departments and academic community.
- ◆ Guided doctoral and graduate students in GIS and its applications
- ◆ Incubated a company Bhugol GIS Private Limited in the Society for Innovation and Entrepreneurship, IIT Bombay

AWARDS AND DISTINCTIONS:

- ◆ Obtained Special Distinctions in Mathematics and Statistics in B.Sc. Mathematics in 1970.
- ◆ Received Institute Medal for securing First Rank in Mathematics at IIT Bombay in 1972.
- ◆ Received Gold Prize (First Prize) for E Tutor on GIS at CATCON 4 Contest in ISPRS Symposium at Tokyo in June 2006.
- ◆ Received National Geospatial Award for Excellence from Indian Society of Remote Sensing at Ahmedabad in December 2008 for life time contribution in Geospatial Technology research, software development and capacity building.
- ◆ Received National Geomatics Award for Technology from Indian Society of Geomatics at Dehradun in February 2009 for technological contributions in the area of Geomatics in the country.
- ◆ Conferred Fellow of Indian Society of Remote Sensing at Hyderabad in December 2014.
- ◆ Conferred Fellow of Indian Society of Geomatics at Hyderabad in December 2014.