

AICTE - QIP SHORT TERM TRAINING PROGRAM

Principles and Applications of GIS and Remote Sensing

Date: 28th February– 4th March 2011 ⚡ **Venue: L – 10 Lecture Hall complex, Centre for Continuing Education**

Time Date	9.00 – 10.30 a.m.	TEA BREAK	11 – 1 p.m.		LUNCH	1.45 – 3.30 p.m.		TEA BREAK	4 – 6.30 p.m.	
28 th Februa ry 2011	Registration 8 30 am Inauguration		GIS Introduction: Real World to GIS Data modeling T. V. Ramachandra	Geodesy and Map projections Bharath Aithal		Vector and Raster data T. V. Ramachandra	Vector Analysis - Mapinfo Uttam Kumar		Lab session: vector data Uttam Kumar, Bharath, Settu B, Vishnu, Anindita	
01/03/ 11	SWM investigations H N Chanakya		Maps: Basic features T. V. Ramachandra	GIS in Lake Monitoring Durga Madhab		Open source GIS Uttam Kumar	QGIS: Overview Bharath Settur		Lab session: Vector and Raster Data- Geo-registration Uttam Kumar, Bharath, Settur, Vishnu, Anindita	
02/03/ 11	Remote Sensing Concepts T. V. Ramachandra		Platform, sensors – resolutions Bharath Aithal	GPS - overview and applications Uttam Kumar		DBMS: Overview Bharath Settur	GIS – Spatial Data analysis and visualization T. V. R		Lab session: Vector data – analysis, thematic layers Uttam Kumar, Bharath, Settur, Vishnu, Anindita	
03/03/ 11	Digital Images T. V. R		Photography and Visual Interpretation Bharath Aithal	Raster Data processing T V R/GUEST Lecture		Digital Image Processing T. V. R	Urban Sprawl Analysis - Uttam		Lab session: Raster data – analysis, Uttam Kumar, Bharath, Settur, Vishnu, Anindita	
04/03/ 11	Digital Image Processing T V R		Insights to SWM through remote sensing and GIS - Shwetmala	Metrics to quantify urbanization – Uttam, Anindita		GIS and Remote Sensing for Sustainable Management of Natural Resources T. V. R			Panel Discussion - - Participants Concluding Session	

Course Coordinator: Dr. T.V. Ramachandra, Energy & Wetlands Research Group, Centre for Ecological Sciences,

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PLEASE NOTE: NO CELL PHONES IN THE CLASSROOM; NO SMOKING