



## **Q-Pad Software Technology Transfer Event**

**Organized by  
Technology Transfer & Industry Interface Division  
Planning & Projects Group**

**December 28, 2011**



**Between  
SPACE APPLICATIONS CENTRE, ISRO  
AND  
SCANPOINT GEOMATICS LIMITED**

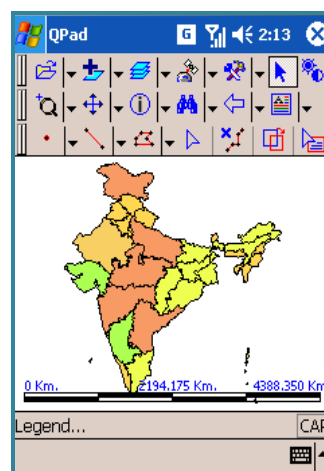
## ABOUT QPAD

QPAD is the software for mobile GIS and GPS mapping applications using the handheld and mobile devices. The software allows the user to easily capture, analyze and display geographic information. It provides features like field data collection and GPS integration. It also allows the user to access and update the enterprise data in the field and use the database for decision support. The main features of QPAD are layer management, navigation / viewing, add and remove of themes, queries on themes, label for active themes etc.

The software provides facility for viewing and querying GIS database model. It also provides facility for point data collection based on active background theme e.g. geo referenced image data or GIS layer.

## GIS FUNCTIONS

- Display Vector Data ( unique color, graduated color, using symbols)
- JPEG / BMP (brightness / contrast control)
- Overlay
- Navigation
- Layers Management
- Identify and Find
- Query Builder (single Theme)
- Logical Operator Based Query
- Label Creation
- Measurement (area, perimeter, distance )
- Cursor Coordinate (DD MM SS.SSS)
- Spatial Data and Attribute Data Editing
- Map Composition in BMP Format



## GPS FUNCTIONS

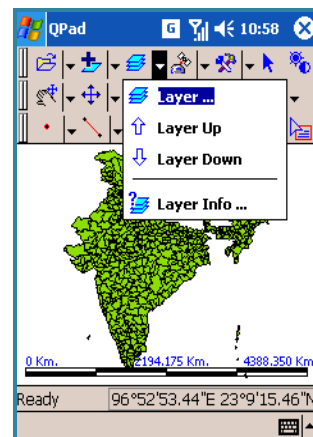
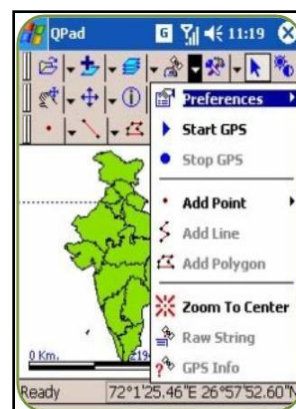
- NMEA Protocol Support for GGA, GSA, GSV, GLL Strings
- GPS Settings( Baud Rate , Parity, Data Bits, Stop Bits)
- GPS Data Capture & Integration with Active Shape File GIS Layer of Point, Line , Polygon
- GPS Sky Plot with Satellite Status
- GPS Coordinates
- Active Layer panning depending upon GPS derived Latitude and Longitude
- Debug Window / ASCII Dump for GPS Data
- GPS Quality Factor ( HDOP, VDOP, PDOP)
- 2 D and 3 D FIX
- Date and Time UTC and Indian

## APPLICATIONS

- In-situ Data Collection
- Site Verification of Mapping Data
- Field Level Disaster Damage Assessment
- Maintenance of Utility Network
- GPS Data Collection

## FEATURES

- Compatible for Win CE Pocket PC
- Support CF GPS
- Built using Callable Win CE GIS & GPS Object Library





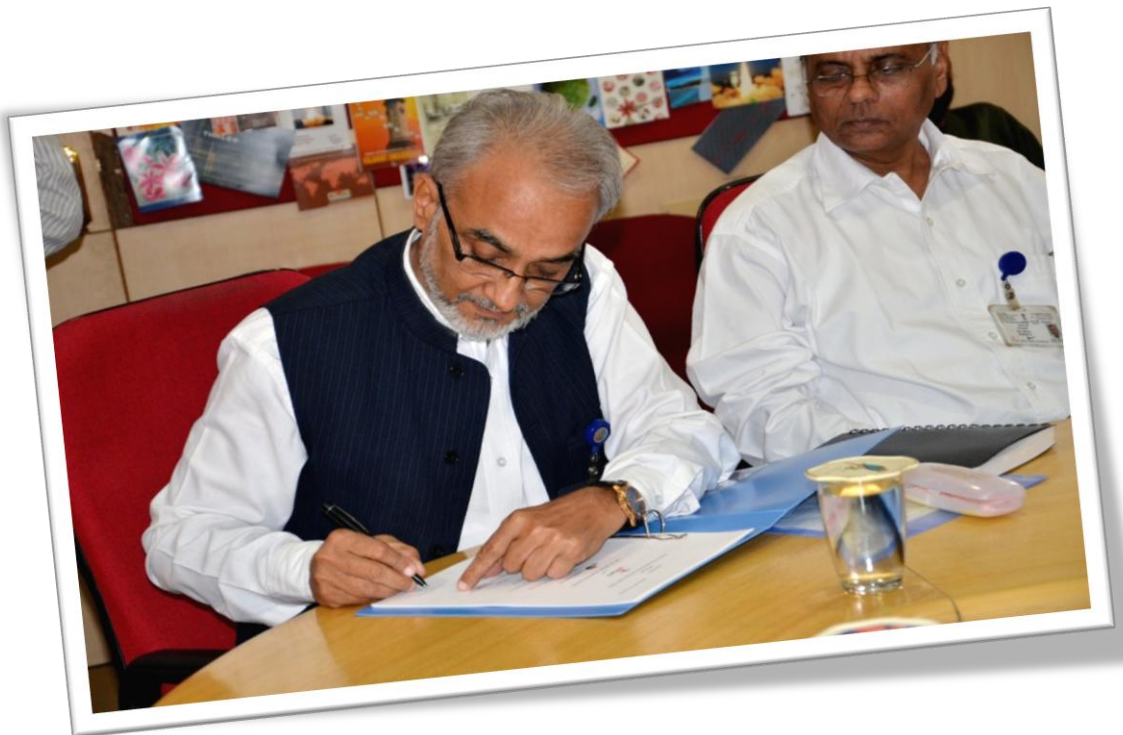
*Dr. R R Navalgund, Director- SAC presiding over the function.*



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