



5-day Training Programme 'Surveying and Data collection Tools for Planning, Execution and Monitoring of Rural Infrastructure Development Programmes'

(August 22-26, 2022)

Need

Various kind of surveying and data collection tools are the basic needs for rural infrastructure works during planning, execution and monitoring phases. Using customized tools provided by the departments, the functionaries are to depend on predefined tools and techniques which gives less freedom to operate in day to day manner. Data collection through open source and flexible mobile based applications and cost effective surveying and levelling tools will be useful during various phases of works in addition to customised applications. Evolution of indigenous tools for surveying especially differential/profile surveying, the field data collection and surveying works have become easier. The open source mobile data collection tools are easy to understand to the functionaries well versed with mobiles. The application of these tools result in reducing time, manual mistakes and paper works in data collection. The profile survey of roads, irrigation channels, water harvesting structure, village drains using indigenous tools along with some benchmark locations will enhance the quality of works and reduce the need to depend on costly and cumbersome surveying tools, with fair accuracy, suitable to rural development works. This course will provide understanding to Rural Infrastructure and knowledge on the open source and cost effective data collection and surveying tools and techniques with practical demonstrations and hand on exercises.

Training Objectives

- To provide understanding on rural infrastructure, mobile data collection and surveying principles;
- To introduce various free and open source mobile data collection applications, and kind of surveying tools;
- To demonstrate and practice mobile data collection and differential/profile surveying using open source mobile tools and cost effective surveying tools.

Training Methodology

The training will be focussed on knowledge and skill. The participants will be introduced and exposed to various cost effective mobile and desktop based data collection tools and indigenous surveying tools for levelling and surveying. Hence the training will be based, handouts, power point presentations and field and classroom demonstrations. The data collection will be made based on thematic areas of participants' domains. Participants will be advised to bring their official location/survey data, if available with them.

Clientele

Rural Engineers working for rural roads and drainages; Engineers of PMAY-G scheme associated with Nirmithi Kendras & Rural Housing corporations; Engineers working for

MGNREGA and faculty members from training and research institutes working in rural infrastructures and reputed NGOs working in Rural Infrastructure.

Venue and Logistics

The venue for the training programme will be NIRDPR, Hyderabad. The lodging and boarding and local transport will be provided under the extant norms of NIRDPR.

Deliverables

- Participants will learn with hands on practice about the available open source geospatial data collection tools and techniques.
- The Participants will learn or refresh the basic principles of surveying and Geoinformatics.
- Participants will learn about construction, availability of low cost or no cost indigenous surveying tools and techniques.
- Participants will be able to use the tools and techniques by themselves.

Nominations are to be forwarded to:

Er. H K Solanki, Assistant Professor (Sr.), Center for Rural Infrastructure, NIRDPR

Dr. R Ramesh, Associate Professor & Head (i/c), Center for Rural Infrastructure, NIRDPR

Office phone- 040-24008448, email- crinirdpr@gmail.com

Please fill in the simple Registration form below and click submit:

<https://forms.gle/hkiDEzxPzgJcqxQe8>

Participants have to rout the nominations through their controlling authority and office formally. Nominations will be officially confirmed by NIRDPR.

Scholars/students need not apply.