NIRDPR

3-day Training Programme
GIS and IoT Applications in Jal Jeevan Mission
(06-08 Feb, 2023)

Need

The Geographic Information System and Internet of Things (IoT) are two major IT disciplines for contribution in Rural Infrastructure works feasibly. One side the GIS may give the locational recognition, intelligence and trend analysis on spatial and temporal issues related to Rural Water Supply and IoT can contribute for near real time point data dissemination on wide spread assets and parameters of Rural Water Supply. The latter can contribute as input data to GIS. Both in conjunction can contribute to the easy dashboards and portals at GP, Districts, State and National Level for use by common man and monitoring by higher offices. An advisory has also been issued by Jal Jeevan Mission, Ministry of Jal Shakti, Government of India in this regard. However challenges are many as confidence building in functionaries, capacity building at appropriate level and maintenance of the systems properly to reduce the dependency on manual systems. The understanding of technology, its use and integration of technique and operations are the essential steps for making any system successful. The course is intended to give understanding on technology and potential uses of GIS and IoT applications in Jal Jeevan Mission.

Training Objectives

- To provide understanding on GIS and IoT technology

- To introduce various open source GIS tools and techniques

- To introduce application potential of IoT and GIS in Rural Water Supply

- To showcase some success and cases of GIS and IoT applications

Training Methodology

The participants will be introduced and exposed to GIS and IoT technology and various solutions for applications. Hence the training will be based on handouts, power point presentations and field and classroom demonstrations. Leading industrial and academic experts will be invited for the sessions.

Clientele

Engineers and officials working for Jal Jeevan Mission at State/District or Block levels.

Venue and Logistics

The venue for the training programme will be NIRDPR, Hyderabad. Free lodging/boarding and local transport will be provided under the extant norms of NIRDPR. Participants can report one day before commencement of programme and leave one day after completion of programme. TA/DA is to be borne by nominating organisation.

Deliverables

- Participants will learn basics of Geoinformatics and availability of related tools and techniques
- Participants will learn application potential of Geoinformatics in Jal Jeevan Mission
- Participants will learn basics of IoT and availability of related tools and techniques
- Participants will learn application potential of IoT in Jal Jeevan Mission

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

Participants have to rout their nominations through their controlling authority/office along with register on google form.

Participants please fill the simple Registration form below also and click submit for the basic details and follow up:

Registration link: https://forms.gle/wicWhEv9xBZbXdzy8

Note:
- **Organisations working currently for Jal Jeevan Mission are also eligible.**
- **Nominations will be officially confirmed by NIRDPR.**
- **Scholars/students need not apply.**