

# Research Associate Position at IIT Gandhinagar



I am inviting applications from highly motivated and qualified individuals to fill one Research Associate (contract) positions in the **Information Technology Research Academy (ITRA) Water Project: Measurement to Management (M2M): Improved water use efficiency and agricultural productivity through experimental sensor network** (project ends on July 2017). The M2M project is a collaborative effort of IIT Gandhinagar with many institutes and universities: **IIT Kharagpur, University of California, Davis, Virginia Tech, Purdue University, University of California, Santa Barbara, and Columbia University**. The overarching question that will be addressed through the M2M project is:

*How will an integrated framework that includes an experimental sensor network, remote sensing based monitoring, and high-resolution hydrologic modeling improve assessing water demand for current and future climate scenarios, irrigation water use efficiency and crop productivity in a sustainable manner without exploiting soil and water resources?*

Preferred applicants will have Ph.D. or 3 years of research, teaching or design experience after M.E/MTech in Hydrology/Water Resources Engineering with atleast one research paper in SCI journal. Applicants should have strong programming background (**MATLAB or C**). Successful candidates are expected to have strong communication (both oral and written) skills.

The M2M project will provide excellent opportunities to publish in top quality peer reviewed journals, attend international and national conferences, short-term visits to collaborating organizations in USA, and a strong network of professional in the field of hydrology and water resources. The project will need field visits for data collection to test and implement hydrologic models (**VIC, SWAT, CLM and/or NOAH**), therefore experience in hydrologic modeling will be beneficial. Other than travel expenses, successful candidates will get salary as per the project norms.

Interested candidates are encouraged to send their CV to Vimal Mishra, Assistant Professor, Civil Engineering ([waterclimatelab@gmail.com](mailto:waterclimatelab@gmail.com)) **before March 1, 2017**. Shortlisted candidates will be informed and called for interview which will be held at IIT Gandhinagar.