

## **INTERNSHIP DETAILS –IRADe**

**(2017-18)**

IRADe is looking for interns to work on the project as per details provide below.

### **Project Title**

Prediction of Dengue with Climate Change over Delhi and Rajkot: A statistical analysis and development of warning system

### **About the project**

In view of major dengue outbreaks across India over recent years, having close connection with the environment, this study will build an early warning system of Dengue prediction for the city of Delhi and Rajkot based on its association with local climate factors including temperature, precipitation and relative humidity. Based on the statistical relationship between Dengue sensitive climate parameters and its incidences for present, future scenarios of Dengue outbreak will be built which will be an important mitigation measure. The collective methodologies include securing Dengue incidence data, selection of climate variables influencing Dengue inception, adaptation of suitable statistical method to establish the relation, an analysis of inter annual as well as seasonal climate variability and application of GIS tool to prepare the Dengue vulnerable zones in Delhi and Rajkot.

### **Responsibilities**

Intern will be engaged to support following activities/outputs -

- Mapping incidences of Dengue in city of Rakjot and Delhi based on historic data and primary surveys.
- Mapping Dengue vulnerable zones in Delhi and Rajkot using GIS tools.
- Interns will collect required dengue data collection from Government hospitals, municipal bodies, health centers, meteorology both in Delhi and Gujarat
- Analyse dependence of climate variables such as temperature, precipitation and relative humidity on Dengue spread in Delhi and Rajkot.
- Identify and assess the measures/best practices on early warning systems for Dengue control.
- Interns have to submit project report as per the requirements of the project

### **About IRADe**

IRADe is an independent advanced research institute which aims to conduct research and policy analysis to engage stakeholders such as government, non-governmental organizations, corporations, academic and financial institutions. Energy and power systems, urban development, climate change, poverty, gender equity, agriculture and food security are some of the challenges for the twenty first century. Therefore,



IRADe research covers these, as well as policies that affect them. IRADe's focus is effective action through multidisciplinary and multi-stakeholder research to arrive at implementable solutions for sustainable development and policy research that accounts for the effective governance of techno-economic and socio-cultural issues. For more details please check our website [www.irade.org](http://www.irade.org)

**Location:** New Delhi/Rajkot. However interns will require to travel as per the needs of the project.

**Internship Duration:** 2-6 months

**Stipend:** Interns will get paid a stipend of INR 5000 per month during the internship period subject to successful submission of the deliverables and project reports.

**Qualification:** Should be enrolled for the Masters program in the universities or preferably have already been completed post-graduation in Statistics, Public Health or subjects related to Climate Change.

Interested candidates can send their CV's and cover letter to [jobs@irade.org](mailto:jobs@irade.org)

For any queries please call Mr. B.K Sarkar Telephone: +91 11 2667 6181, +91 11 2667 6180, +91 11 2668 2226