



# Birla Institute of Technology & Science, Pilani

Pilani | Dubai | Goa | Hyderabad

Dr. Rajiv Gupta, Senior Professor  
Civil Engineering Department  
BITS, Pilani-333 031 (Raj.)

## Research Associate Position

Date: 02.01.2020

Applications are invited for **one** post of **Research Associate** in the DST sponsored research project entitled “Structured Dialogues for Sustainable Urban Water Management (SDSUWM)” funded by Department of Science and Technology (Govt. of India) under the supervision of Dr. Rajiv Gupta, Department of Civil Engineering, BITS Pilani, Pilani Campus, Rajasthan. The post is initially for one year and extendable till the termination of the project in 2025.

Project: *Structured Dialogues for Sustainable Urban Water Management (SDSUWM)* acknowledges the complexity of the urban water system and recognizes the importance of combining different knowledge in infrastructure governance. Conceptually, it will incorporate socio-spatial-techno-economic-environment-politico-institutional approaches to mitigate urban dynamics, infrastructure, predictive and innovative potential. To incorporate such a wide concepts need users, planners, decision making and administration for meeting the need and effective governance systems. Methodologically, it will combine the bird's eye view from above, through the collection and modeling of spatial big data of urbanization dynamics and interpreting by artificial intelligence concept, with the deep ethnographic and archival inquiry of the holistic view of ground technological infrastructure; it will also develop equitable and reliable water service pathways through dialogues and co-creation activities between different social groups, research and governance stakeholders, and innovative entrepreneurship through efficient infrastructure. Program will culminate in Planning tool, Decision support system and digital models

**Essential Qualification:** PhD or ME/M. Tech. with 3 years experience in the discipline of Civil Engineering/Computer Science/Electrical & Electronics Engineering/GIS & Remote Sensing or related disciplines and at least one paper in Science Citation Indexed (SCI) journal.

**Desirable:** Candidate with experience in GIS and Remote Sensing will be preferred.

**Emoluments:** Rs.47,000/- p.m. consolidated.

**How to apply:** Interested and eligible candidates are advised to send their current resume and abstract of project work (thesis/dissertation) if any to [rajiv@pilani.bits-pilani.ac.in](mailto:rajiv@pilani.bits-pilani.ac.in). In the subject of the E-mail, candidates should write “**Application for Research Associate Position**”. Short-listed candidates will be informed through e-mail regarding the interview date. No TA/DA will be paid for attending the interview.

**INTERVIEW DETAILS:** Interview will be conducted in-person or via Skype.

**Application Deadline:** Jan. 16, 2020

**Contact address: Dr. Rajiv Gupta**

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