ORGANIZATION | National Institute of Urban Affairs (NIUA)  
FUNCTIONAL TITLE | ICT/ICCC Expert  
PROJECT NAME | This is an Upcoming project  
DUTY STATION | NIUA/MoHUA  
DURATION | 12 months  
TYPE OF CONTRACT | Individual Full-Time contract

About the National Institute of Urban Affairs (NIUA)

Established in 1976, the National Institute of Urban Affairs (NIUA) is a premier institute of the Ministry of Housing and Urban Affairs, Government of India, for research and capacity building for the urban sector in India. NIUA’s broad objective is to bridge the gap between research and practice on issues related to urbanization. For more than 40 years now, NIUA has been the vanguard for contributing to and building the urban narrative for a fast-evolving urban India.

The Institute has been actively working on bringing forth key areas of concern for urban India in order to build the urban discourse at various urban scales. It has utilized its competencies in research, knowledge management, policy advocacy, and capacity building to address urban challenges and continuously strive to develop sustainable, inclusive, and productive urban ecosystems in the country. It has emerged as a thought leader and knowledge hub for urban development in India and is sought out by both Indian and international organizations for collaborations and partnerships in India’s urban transformation journey. NIUA is committed to aligning its efforts toward achieving Sustainable Development Goals (SDGs) through all its initiatives and programs.

About the project

To implement Data-Smart Cities Strategy at the National level. It constitutes relevant experts in policy framework, data science, data analytics, communications, and other relevant fields. To be instrumental in institutionalizing the data culture in cities and other tasks for strategy implementation such as conceptualization and development of data platforms, capacity building of city officials through workshops and guidebooks, enhancement of datasets and blogs on the Open Data Portal, design and execution of the Data Maturity Assessment Framework across all 100 Smart Cities, advocacy of data initiatives, etc.
Job Description

We are looking for an ICT Expert who will support our in-house team in hand holding the 100 Smart cities in implementation and sustenance of the ICCCs and related ICT infrastructure.

The ideal candidate is adept at designing/architecting ICT solutions, also using data sets from various ICT systems and urban services to find opportunities for improvement in city operation and help in building impactful SoPs/Use cases. S/he must be comfortable working with a wide range of stakeholders and functional teams.

The right candidate will have a passion for exploring emerging technologies for right fitment in cities and discovering smart solutions hidden in large data sets and working with urban stakeholders to improve outcomes.

Responsibilities for ICT Expert

• Work with various urban stakeholders from Government, Academia, Industry and citizen community to understand ongoing city needs to drive data-driven governance in cities by leveraging ICT.
• Help in developing new and contextual use cases for creating impact from ICT investment, especially ICCCs.
• Design and development of technology solutions, mapping cities functional requirements with technical solutions and cost-effective solutions, providing value for money.
• Provide demonstrations, presentations, training, and consultation in the ICT/ICCC domain.
• Develop ready-to-use Model RFPs, Hackathons, Challenge processes, best practices, and relevant guidelines documents.
• Support in driving standards for ICT along with Standards bodies and industry stakeholders.
• Help in developing programs/ideas/solutions/processes for long-term sustenance of ICT infrastructure in Smart cities, especially ICCCs.
• Explore emerging technologies such as AI/ML, Blockchains, Big Data, etc for fitment and adoption in Smart cities.
• Engaging with the Start-up ecosystem in the industry to drive creative and cost-effective solutions.

Qualification and Work Experience:

• B. Tech./MCA in Computers/IT/ ECE or any relevant field.
• 8-15 yrs. of relevant experience in designing/architecting solutions and use cases for ICT projects. Experience in developing solutions for ICCCs/ Command
Security Operation centers/ Disaster management centers will be added advantage.

**Skills Required:**
The candidate must possess the following minimum skills;

- Strong technical and analytical abilities, a knack for driving impact and growth.
- A deeper understanding of various ICT technologies, Protocols, and Standards in the area of Networking, Internet of Things(IoT), Compute /storage, Cloud solutions, Data security, 4G/5G etc.
- Ability to look at things differently, innovatively, debug, troubleshoot, design and implement solutions to complex technical issues.
- Good Understanding of Cloud environments (AWS, Azure, Google, NIC etc.)
- Good understanding of various ICT applications in the urban domain. Knowledge of ICC applications will be an added advantage.
- Sound knowledge of Project Life Cycle Management in a city-wide environment through Business function study, Requirement Finalisation, Project Budgeting, Risk Management, Project Execution, operation & maintenance
- A drive to learn and master new technologies and techniques
- Excellent verbal and written communication skills.

**Location of Work:**
National Institute of Urban Affairs, New Delhi

**Number of Positions:**
1

**References:**
Name and contact information of two references to be included in the CV.

**Project experience:**
Provide 2 key projects where the solutions/ideas have been conceived by the candidate and got implemented. Describe the outcome achieved.

**Remuneration and Experience Certificate:**
Remuneration will be commensurate as per NIUA standards within the range of Rs. 1.4 - 2.65 Lacs per month. In case the candidate leaves before completion of the contract period or without handing over all work assigned by the team leader, he/she will not receive any work certificate.
Application Process:

Submit CV and cover letter through NIUA portal.

- We are seeking talented individuals, required in upcoming new projects hence the recruitment process shall begin at a later stage.

Last Date of Application:

6 July, 2022