

<b>ORGANIZATION</b>	National Institute of Urban Affairs (NIUA)
<b>FUNCTIONAL TITLE</b>	<b>Frontend Developer</b>
<b>LOCATION</b>	New Delhi

### **Swachh Bharat Mission-Urban (SBM-U):**

Swachh Bharat Mission-Urban (SBM-U) 2.0 aims to achieve;

- Garbage Free cities through Sustainable Solid Waste Management
- Sustainable Sanitation and treatment of used Water
- Awareness creation and,
- Creation of institutional capacity

Building on the success of the first phase, Swachh Bharat Mission 2.0 aims to expand the efforts on several aspects related to sanitation and public health. In the past seven years of Swachh Bharat Mission, around 63 lakh individual household latrines (IHHLs) and over 6.3 lakh community toilets (CTs) and public toilets (PTs) have been built across India.

In order to sustain the Open Defecation Free (ODF) status and ensure that no slippage occurs, the Ministry of Housing and Urban Affairs (MoHUA) has introduced the ODF+ and ODF++ protocols and Water+ protocols. ODF++ protocol focuses on addressing safe containment, evacuation, transportation and processing of fecal sludge from toilets and ensuring that no untreated sludge is discharged into open drains, water bodies or open fields. Water+ protocol helps ensure that no untreated waste (used) water is discharged into the open environment or water bodies.

### **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 striving 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 after by



both Indian and international organizations for collaborations and partnerships in India's urban transforming journey. NIUA is committed towards aligning its efforts towards achieving Sustainable Development Goals (SDGs) through all its initiatives and programmes.

### **National Urban Digital Mission (NUDM):**

In this context, it may be noted that MoHUA has launched the National Urban Digital Mission (NUDM) in February 2021 to digitalize the urban citizen services in the country with the intent of improving transparency, governance, Ease of Living (EoL) and Ease of Doing Business (EoDB). National Institute of Urban Affairs (NIUA) has been nominated as the anchor institution for implementation of NUDM and works closely with all the States / UTs for Mission implementation. The NUDM currently anchored by the Centre for Digital Governance (CDG) Team at NIUA shall become the vehicle for activating the proposed initiative under Swachh Bharat Mission, ensuring necessary convergence of the programs/schemes for achieving positive transformation in delivery of citizen services.

To facilitate the online delivery of urban services in the States / UTs, a shared Digital Public infrastructure in the form of Urban Platform for Delivery of Online Governance - UPYOG has already been developed with ready-to-use 18 reference applications for providing Government to Citizens (G2C), Government to Business (G2B) and Government to Government (G2G) services for improving Ease of Living, Ease of Doing Business and internal efficiencies of ULBs. These 18 reference applications include Property Tax Assessment and Payment, Online Building Plan Approval System, Public Grievance Redressal, Trade License Issuance and Payment, No-Objection Certificate Issuance, Water and Sewerage Connection Management, NMAM-Compliant Municipal Accounting and Finance, Birth and Death Certificates, Miscellaneous Collections and Desludging Service, Pet Registration, Community Hall Booking, Advertisement/Hoardings, Asset Management, E-waste Management, Street Vendors Management.

The development and rollout of the proposed Integrated Service and Information Management Infrastructure for Desludging shall therefore leverage the UPYOG platform, owing to the availability of existing infrastructure.



## **Responsibilities:**

- Develop user-facing features for web applications using HTML, CSS, and JavaScript.
- Collaborate with back-end developers and designers to implement innovative solutions.
- Optimize application performance and ensure responsiveness across various devices and browsers.
- Translate design mockups and wireframes into functional, visually appealing interfaces.
- Stay up-to-date with emerging technologies and industry trends, continually enhancing skills and knowledge.
- Conduct code reviews, debugging, and troubleshooting to maintain code quality and stability.
- Work closely with the UI/UX design team to bridge the gap between graphical design and technical implementation.
- Participate in agile development processes, including sprint planning, daily stand-ups, and retrospective meetings.
- Implement best practices for front-end development, including accessibility, SEO, and responsive design principles.
- Communicate effectively with team members and stakeholders, providing updates on project progress and addressing any concerns or issues.

## **Qualifications:**

- Bachelor's degree in Computer Science, Software Engineering, or a related field (or equivalent experience).
- Proven experience of 8-15 Years as a Front End Developer or similar role, with a strong portfolio showcasing past projects.
- Proficiency in HTML, CSS, and JavaScript, with experience in modern frameworks/libraries such as React, Angular, or Vue.js.
- Familiarity with version control systems such as Git.

## **Required Skills and Competencies:**

- Solid understanding of responsive design principles and cross-browser compatibility.
- Experience with front-end build tools/task runners (e.g., Webpack, Gulp) and package managers (e.g., npm, Yarn).
- Knowledge of UI/UX design principles and a keen eye for detail.



- Excellent problem-solving skills and the ability to work independently or as part of a team.
- Strong communication and collaboration skills, with the ability to effectively convey technical concepts to non-technical stakeholders.
- Experience with testing frameworks (e.g., Jest, Jasmine) and automated testing practices is a plus.
- Strong analytical, conceptualization, and communication skills, good understanding of market research techniques and data analytics, outstanding attention to detail.
- Skilled at stakeholder management, and coordinating teams and multi-party processes
- Experience of working at Central/State/PSU/NGO level in the urban sector
- Excellent verbal communication skills, including the ability to communicate with and manage expectations of senior executives/experts and their staff.
- Experience in developing preliminary communications strategies and campaigns for government stakeholders
- Entrepreneurial spirit, including the ability to work independently and autonomously.

**Last Date to Apply:** 25 July, 2025.

**Application process:** Submit your application through the NIUA Job Portal.